

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
PARATEK PHARMACEUTICALS, INC.		07/06/2009	CORPORATION: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	MIDCAP FINANCIAL, LLC		
<b>Street Address:</b>	7735 OLD GEORGETOWN ROAD		
<b>Internal Address:</b>	SUITE 400		
<b>City:</b>	BETHESDA		
<b>State/Country:</b>	MARYLAND		
<b>Postal Code:</b>	20814		
<b>Entity Type:</b>	LIMITED LIABILITY COMPANY: DELAWARE		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	2724637	PARATEK	
<b>Registration Number:</b>	2789354	PARATEK PHARMACEUTICALS	
<b>Serial Number:</b>	77104228	PARACYCLINE	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(404)962-6736		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	(404) 885-3038		
<b>Email:</b>	michael.brignati@troutmansanders.com		
<b>Correspondent Name:</b>	MICHAEL J. BRIGNATI, PH.D.		
<b>Address Line 1:</b>	TROUTMAN SANDERS LLP		
<b>Address Line 2:</b>	600 PEACHTREE STREET, N.E.		
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30308-2216		
<b>ATTORNEY DOCKET NUMBER:</b>	234539.000009		

OP \$90.00 2724637

NAME OF SUBMITTER:	Michael J. Brignati, Ph.D.
Signature:	/Michael J. Brignati 60,890/
Date:	07/06/2009
<p><b>Total Attachments: 25</b></p> <p>source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page1.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page2.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page3.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page4.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page5.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page6.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page7.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page8.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page9.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page10.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page11.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page12.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page13.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page14.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page15.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page16.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page17.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page18.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page19.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page20.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page21.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page22.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page23.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page24.tif  source=MIDCAP_PARATEK_EXECUTED_IP_SECURITY_AGREEMENT#page25.tif</p>	

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of July 6, 2009 by and between MIDCAP FINANCIAL, LLC, a Delaware limited liability company ("Agent") and PARATEK PHARMACEUTICALS, INC., a Delaware corporation ("Grantor").

### RECITALS

A. The Lenders have agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Agent, the Lenders and Grantor dated March 26, 2009 (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement).

B. Grantor has requested that the Agent and Lenders enter into that certain Second Amendment to Loan and Security Agreement of even date herewith (the "Amendment"), and Agent and Lenders have agreed to enter into the Amendment, but only upon the condition, among others, that Grantor shall grant to Agent, for the ratable benefit of the Lenders, a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Amendment, Grantor has granted to Agent, for the ratable benefit of the Lenders, a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

To secure its obligations under the Loan Agreement, Grantor grants and pledges to Agent, for the ratable benefit of the Lenders, a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the

same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

This security interest is granted in conjunction with the security interest granted to Agent, for the ratable benefit of the Lenders, under the Loan Agreement. The rights and remedies of Agent with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Agent as a matter of law or equity. Each right, power and remedy of Agent provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Agent of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Agent, of any or all other rights, powers or remedies.

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:

75 Kneeland Street  
Boston, Massachusetts 02111  
Attn: John Dunphy, Chief Financial Officer

PARATEK PHARMACEUTICALS, INC.

By: John P. Dunphy  
CFO

Title: \_\_\_\_\_

AGENT:

Address of Agent:

7735 Old Georgetown Road, Suite 400  
Bethesda, Maryland 20814  
Attn: Portfolio Management-Life Sciences

MIDCAP FINANCIAL, LLC

By: [Signature]

Title: Managing Director

EXHIBIT A

Copyrights

None.

EXHIBIT B

Patents

See attached schedules:

1. Patents and Patent Applications Co-owned by Tufts and Paratek.
2. Patents and Patent Applications Owned by Paratek.
3. Patent and Patent Applications Related to MAR Program.

CaseSubCase	ApplicationStatus	AppNumber	FileDate	CountryName	ClientRef	PatNumber	IssDate	InvTitle
16534-512001	Published	P010101560	10-Mar-2001	Argentina	PAZ-0025CPAR			7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	Austria	PAZ-0025CPAT	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	Belgium	PAZ-0025CPBE	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	European Patent Convention	PAZ-0025CPBP	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	France	PAZ-0025CPFR	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	Germany	PAZ-0025CPDE	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	Ireland	PAZ-0025CPIE	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	Italy	PAZ-0025CPIT	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Published	2001-572456	30-Mar-2001	Japan	PAZ-0025CPJP			7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	National	(182)001/010342	30-Mar-2001	Patent Cooperation Treaty	PAZ-0025CPPC			7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	Spain	PAZ-0025CPES	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	1924508.3	30-Mar-2001	United Kingdom	PAZ-0025CPGB	1272459	27-Jun-2007	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Granted	098231884	30-Mar-2001	United States of America	PAZ-0025CP	6818634	16-Nov-2004	7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Published	107765710	24-Feb-2004	United States of America	PAZ-0025CPNCRCE2			7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Converted	607193972	31-Mar-2000	United States of America	PKZ-005-1			METHODS FOR SYNTHESIZING 7-OR 9-SUBSTITUTED TETRACYCLINE COMPOUNDS AND REACTIVE INTERMEDIATES
16534-512001	Converted	607280367	29-Mar-2001	United States of America	PKZ-005-2			7-AND 9-CARBAMATE, UREA, THIOUREA, THIOCARBAMATE, AND HETEROARYL-AMINO SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-512001	Converted	60193879	31-Mar-2000	United States of America	PKZ-047-1			9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-517001	Published	5020365.2	29-Jun-2001	European Patent Convention	PAZ-0069CFEPDV			13-SUBSTITUTED METHACYCLINE COMPOUNDS
16534-517001	Published	2002-509073	29-Jun-2001	Japan	PAZ-0069CFJP			13-SUBSTITUTED METHACYCLINE COMPOUNDS
16534-517001	National	US20011020716	29-Jun-2001	Patent Cooperation Treaty	PAZ-0069CFPC			13-SUBSTITUTED METHACYCLINE COMPOUNDS
16534-517001	Granted	097895796	29-Jun-2001	United States of America	PAZ-0069CFPC	6500912	31-Dec-2002	13-SUBSTITUTED METHACYCLINE COMPOUNDS
16534-517001	Granted	10285975	01-Nov-2002	United States of America	PAZ-0069CFPCN	6849615	01-Feb-2005	13-SUBSTITUTED METHACYCLINE COMPOUNDS
16534-517001	Converted	607216580	07-Jul-2000	United States of America	PKZ-0069-1			13-SUBSTITUTED METHACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Armenia	PAZ-0080CFAM	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	2001271642	29-Jun-2001	Australia	PAZ-0080CPAU	2001271642	20-Apr-2006	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Pending	2006201433	05-Apr-2006	Australia	PAZ-0080CPAIDV			7-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Azerbaijan	PAZ-0080CPAZ	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Belarus	PAZ-0080CPBY	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Pending	BA P011318A	29-Jun-2001	Bosnia and Herzegovina	PAZ-0080CPBA			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Pending	2415718	29-Jun-2001	Canada	PAZ-0080CPCA			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Published	1815094.2	29-Jun-2001	China (People's Republic)	PAZ-0080CPCI			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Published	P20030090A	29-Jun-2001	Croatia	PAZ-0080CPHR			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Published	PV2003-343	29-Jun-2001	Czech Republic	PAZ-0080CPCZ			7-SUBSTITUTED TETRACYCLINE COMPOUNDS



Patents and Patent Applications Co-owned by Tufts and Paratek

16534-518001	Granted	200300134	29-Jun-2001	Eurasian Patent Organization	PAZ-0080CFEA	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Published	1950674	29-Jun-2001	European Patent Convention	PAZ-0080CFEP			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Published	PD011163	29-Jun-2001	Hungary	PAZ-0080CFHU			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	16ZCHENP/2003	29-Jun-2001	India	PAZ-0080CFIN	206972	16-May-2007	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Pending	153672	29-Jun-2001	Israel	PAZ-0080CFIL			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Published	2002-509075	29-Jun-2001	Japan	PAZ-0080CFJP			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Kazakhstan	PAZ-0080CFKZ	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	10-2003-7000156	29-Jun-2001	Korea, Republic of	PAZ-0080CFKR	619637	28-Aug-2006	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Pending	10-2006-7009612	17-May-2006	Korea, Republic of	PAZ-0080CFKR			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Kyrgyz Republic	PAZ-0080CFKG	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Maldives	PAZ-0080CFMD	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	National	US2001020766	29-Jun-2001	Patent Cooperation Treaty	PAZ-0080CFPC			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Russian Federation	PAZ-0080CFRU	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Tajikistan	PAZ-0080CF TJ	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	200300134	29-Jun-2001	Turkmenistan	PAZ-0080CFYM	6170	27-Oct-2005	7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Granted	098993812	29-Jun-2001	United States of America	PAZ-0080CF			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-518001	Allowed	100851035	24-May-2004	United States of America	PAZ-0080CFNCE	6818635	16-Nov-2004	7-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-518002	Pending	12481368	09-Jun-2009	United States of America	PAZ-0080CFN2			7-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-518001	Converted	60216760	07-Jul-2000	United States of America	PKZ-0067-1			7-SUBSTITUTED SANCYCLINE COMPOUNDS
16534-518002	Converted	60275576	13-Mar-2001	United States of America	PKZ-0080-1			7-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Albania	PAZ-0082CFAL	1301467	16-Aug-2006	9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-519001	Granted	2001286388	29-Jun-2001	Australia	PAZ-0082CF AU	2001286388	04-Nov-2005	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	2003201023	29-Jun-2001	Australia	PAZ-0082CF AU DV	2003201023	28-May-2009	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519002	Pending	2009201857	29-Jun-2001	Australia	PAZ-0082CF AU DV2			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Austria	PAZ-0082CFAT	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Belgium	PAZ-0082CFBE	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Pending	BAP011317A	29-Jun-2001	Bosnia and Herzegovina	PAZ-0082CFBA			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Pending	P0112269-0	29-Jun-2001	Brazil	PAZ-0082CFBR			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Pending	2415178	29-Jun-2001	Canada	PAZ-0082CFCA			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	01815087.X	29-Jun-2001	China (People's Republic)	PAZ-0082CF CI	ZL01815087.X	1-Apr-2009	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	200510055044.1	29-Jun-2001	China (People's Republic)	PAZ-0082CF CIDV			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519002	Pending	200910007096.3	29-Jun-2001	China (People's Republic)	PAZ-0082CF CIDV2			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	P20030091A	29-Jun-2001	Croatia	PAZ-0082CFHR			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	PV2003-344	29-Jun-2001	Czech Republic	PAZ-0082CF CZ			9-SUBSTITUTED MINOCYCLINE COMPOUNDS

Patents and Patent Applications Co-owned by Tufts and Paratek

16534-519001	Granted	1965828.5	29-Jun-2001	Denmark	PAZ-0082CPDK	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	200010135	29-Jun-2001	Eurasian Patent Organization	PAZ-0082CPEA	9175	28-Dec-2007	SUBSTITUTED METHACYCLINE COMPOUNDS (VARIANTS), PHARMA-CEUTICAL COMPOSITION (VARIANTS) AND METHOD FOR TREATING A TETRACYCLINE RESPONSIVE STATE IN A MAMMAL (VARIANTS)
16534-519001	Pending	200401579	27-Dec-2004	Eurasian Patent Organization	PAZ-0082CPEADV			SUBSTITUTED METHACYCLINE COMPOUNDS (VARIANTS), PHARMA-CEUTICAL COMPOSITION (VARIANTS) AND METHOD FOR TREATING A TETRACYCLINE RESPONSIVE STATE IN A MAMMAL (VARIANTS)
16534-519001	Granted	1965828.5	29-Jun-2001	European Patent Convention	PAZ-0082CPEP	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	6007501.7	29-Jun-2001	European Patent Convention	PAZ-0082CPEPDV			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Finland	PAZ-0082CFPI	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	France	PAZ-0082CFPR	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Germany	PAZ-0082CFDE	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Greece	PAZ-0082CFGR	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	P0301169	29-Jun-2001	Hungary	PAZ-0082CFHU			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1388CHENP7003	29-Jun-2001	India	PAZ-0082CFIN	209581	05-Sep-2007	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Pending	9446CHENP7007	05-Mar-2007	India	PAZ-0082CFINDV			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Ireland	PAZ-0082CFIE	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Pending	151639	29-Jun-2001	Israel	PAZ-0082CFIL			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Pending	177854	03-Sep-2006	Israel	PAZ-0082CFILDV			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Italy	PAZ-0082CFIT	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	2002-519074	29-Jun-2001	Japan	PAZ-0082CFJP			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Published	2008-157219	29-Jun-2001	Japan	PAZ-0082CFJPDV			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	10-2003-7000160	29-Jun-2001	Korea, Republic of	PAZ-0082CFKR	674047	18-Jun-2007	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	10-2005-7023319	29-Jun-2001	Korea, Republic of	PAZ-0082CFKRDV	699390	19-Jun-2007	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Latvia	PAZ-0082CFLV	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Lithuania	PAZ-0082CFLT	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Luxembourg	PAZ-0082CFLU	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Macedonia	PAZ-0082CFMK	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	2007000055	29-Jun-2001	Mexico	PAZ-0082CFMX	232833	13-Dec-2005	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Allowed	PAN/2005/009949	29-Jun-2001	Mexico	PAZ-0082CFMXDV			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519002	Pending	Not yet assigned	29-Jun-2001	Mexico	PAZ-0082CFMXDV2			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Monaco	PAZ-0082CFMC	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Netherlands	PAZ-0082CFNL	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	National	US2007020721	29-Jun-2001	Patent Cooperation Treaty	PAZ-0082CFPC			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Portugal	PAZ-0082CFPT	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Romania	PAZ-0082CFRO	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	1965828.5	29-Jun-2001	Slovenia	PAZ-0082CFSI	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-519001	Granted	200700749	29-Jun-2001	South Africa	PAZ-0082CFZA	20030749	31-Aug-2005	9-SUBSTITUTED MINOCYCLINE COMPOUNDS

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16514-519/D01	Granted	200505179	27-Jun-2005	South Africa	PAZ-082CPZADV	200505179	26-Apr-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	1963828 5	29-Jun-2001	Spain	PAZ-008ZCPES	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	1963828 5	29-Jun-2001	Sweden	PAZ-008ZCPSE	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	1963828 5	29-Jun-2001	Switzerland	PAZ-008ZCPCCH	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	96116602	06-Jul-2001	Taiwan	PAZ-082CPTW	1299038	21-Jul-2008	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	93140806	06-Jul-2001	Taiwan	PAZ-082CPTWV	1305328	21-Jun-2009	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	1963828 5	29-Jun-2001	Turkey	PAZ-008ZCPTR	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	1963828 5	29-Jun-2001	United Kingdom	PAZ-008ZCPGB	1301467	16-Aug-2006	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Granted	09895857	29-Jun-2001	United States of America	PAZ-082CPT	6846939	25-Jan-2003	9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/C02	Pending	12731405	09-Jan-2009	United States of America	PAZ-082CPCNZ			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/D01	Published	10839023	04-May-2004	United States of America	PAZ-082CPDY			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/P01	Converted	660216659	07-Jul-2006	United States of America	PKZ-066-I			9-SUBSTITUTED MINOCYCLINE COMPOUNDS
16514-519/P02	Converted	660275621	13-Mar-2001	United States of America	PKZ-082-1			9-SUBSTITUTED MINOCYCLINE COMPOUNDS

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16534-513/D01	Pending	4001203.1	10-May-2001	European Patent Convention	PAZ-05EPDV			7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-513/001	Published	2001-584221	10-May-2001	Japan	PAZ-05JP			7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-513/001	National	US2001/015068	10-May-2001	Patent Cooperation Treaty	PAZ-0056PC			7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-513/001	Granted	09/852908	10-May-2001	United States of America	PAZ-056	6642270	04-Nov-2003	7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-513/C02	Allowed	11/205048	16-Dec-2005	United States of America	PAZ-056CN2			7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-513/C03	Published	11/974019	10-Oct-2007	United States of America	PAZ-056CN3			7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-513/P01	Converted	60/204158	15-May-2000	United States of America	PAZ-0056-1			7-SUBSTITUTED FUSED RING TETRACYCLINE COMPOUNDS
16534-522/001	Granted	2001271619	29-Jun-2001	Australia	PAZ-0081CPAU	2001271619	28-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/D01	Pending	2008207359	29-Jun-2001	Australia	PAZ-081CPDYAU			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Pending	BAPO31495A	29-Jun-2001	Bosnia and Herzegovina	PAZ-0081CPBA			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Pending	PI 0116935-1	29-Jun-2001	Brazil	PAZ-0081CPCR			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	2440383	29-Jun-2001	Canada	PAZ-081CPCA	2440383	30-Jan-2007	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Pending	P20030743A	29-Jun-2001	Croatia	PAZ-0081CPHI			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Published	PV2003-2780	29-Jun-2001	Czech Republic	PAZ-0081CPCZ			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Pending	200301011	29-Jun-2001	Eurasian Patent Organization	PAZ-0081CPEA			SUBSTITUTED TETRACYCLINE COMPOUNDS (VARIANTS), A PHARMACEUTICAL COMPOSITION AND A METHOD OF TREATING A TETRACYCLINE RESPONSIVE STATE IN A SUBJECT SUSCEPTIBLE TO TETRACYCLINE
16534-522/001	Granted	1950651.8	29-Jun-2001	European Patent Convention	PAZ-0081CPEP	1368305	13-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/D01	Published	8005899.3	29-Jun-2001	European Patent Convention	PAZ-0081CPEPDV			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	1950651.8	29-Jun-2001	France		1368305	13-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	1950651.8	29-Jun-2001	Germany		1368305	13-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Published	P0402047	29-Jun-2001	Hungary	PAZ-0081CPHU			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	1594CHENP/2003	29-Jun-2001	India	PAZ-0081CPIN	207013	16-May-2007	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	1950651.8	29-Jun-2001	Ireland		1368305	13-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Pending	157860	29-Jun-2001	Israel	PAZ-0081CPIL			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Pending	2002-571448	29-Jun-2001	Japan	PAZ-0081CPJP			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	PA/a/003/0081G5	29-Jun-2001	Mexico	PAZ-0081CPMX	237137	24-May-2006	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/D01	Granted	PA/a/2005/014169	21-Dec-2005	Mexico	PAZ-0081CPMXDV	258554	7-Jul-08	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	National	US2001/020722	29-Jun-2001	Patent Cooperation Treaty	PAZ-0081CPPC			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	20037239	29-Jun-2001	South Africa	PAZ-0081CPZA	20037239	26-Jan-2005	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS

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16534-522/001	Granted	1950651.8	29-Jun-2001	Switzerland		1368305	13-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	90116604	06-Jul-2001	Taiwan	PAZ-0081CPTW	1906094	11-Feb-09	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	1950651.8	29-Jun-2001	United Kingdom		1368305	13-Aug-2008	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Granted	09/895797	29-Jun-2001	United States of America	PAZ-0081CP	6683068	27-Jan-2004	7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Published	10/738862	16-Dec-2003	United States of America	PAZ-081CFCNRCE			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-522/001	Converted	60/715620	13-Mar-2001	United States of America	PKZ-081-1			7,9-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-523/001	Granted	10/786881	24-Feb-04	United States of America	PAZ-222CNRCE	7553828	30-Jun-2009	9-AMINOMETHYL SUBSTITUTED MINOCYCLINE COMPOUNDS
16534-524/001	National	US2002/007502	14-Mar-2002	Patent Cooperation Treaty	PAZ-0113CPPC			SUBSTITUTED TETRACYCLINE COMPOUNDS AS ANTIFUNGAL AGENTS
16534-524/001	Granted	10/097457	14-Mar-2002	United States of America	PAZ-0113CPRCE	6641546	11-Jan-2005	SUBSTITUTED TETRACYCLINE COMPOUNDS AS ANTIFUNGAL AGENTS
16534-524/001	Converted	60/275948	14-Mar-2001	United States of America	PAZ-0113-1			SUBSTITUTED TETRACYCLINE COMPOUNDS AS ANTIFUNGAL AGENTS
16534-525/001	National	US2002/007829	14-Mar-2002	Patent Cooperation Treaty	PAZ-0142CPPC			SUBSTITUTED TETRACYCLINE COMPOUNDS AS SYNERGISTIC ANTIFUNGAL AGENTS
16534-525/001	Granted	10/097634	14-Mar-2002	United States of America	PAZ-142CP	7045507	16-May-2006	SUBSTITUTED TETRACYCLINE COMPOUNDS AS SYNERGISTIC ANTIFUNGAL AGENTS
16534-525/001	Published	10/943571	16-Sep-2004	United States of America	PAZ-142CPN			SUBSTITUTED TETRACYCLINE COMPOUNDS AS SYNERGISTIC ANTIFUNGAL AGENTS
16534-525/001	Converted	60/275899	14-Mar-2001	United States of America	PAZ-142-1			SUBSTITUTED TETRACYCLINE COMPOUNDS AS SYNERGISTIC ANTIFUNGAL AGENTS
16534-526/001	Granted	2002254714	24-Apr-2002	Australia	PAZ-114CPAU	2002254714	08-Jan-2009	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Pending	2003287218	24-Oct-2003	Australia	PAZ-114CP2AU			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/001	Pending	2008252241	24-Apr-2002	Australia	PAZ-114CPAUIDIV			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/001	Pending	2444899	24-Apr-2002	Canada	PAZ-114CPCA			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Pending	2502464	24-Oct-2003	Canada	PAZ-114CP2CA			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/001	Published	2723955.7	24-Apr-2002	European Patent Convention	PAZ-114CPEP			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Published	3781398.7	24-Oct-2003	European Patent Convention	PAZ-114CP2EP			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Pending	168022	24-Oct-2003	Israel	PAZ-114CP2IL			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/001	Pending	2002-582879	24-Apr-2002	Japan	PAZ-114CPJP			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Pending	2004-547165	24-Oct-2003	Japan	PAZ-114CP2JP			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/001	National	US2002/012935	24-Apr-2002	Patent Cooperation Treaty	PAZ-114CP2PC			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	National	US2003/033927	24-Oct-2003	Patent Cooperation Treaty	PAZ-114CP2			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Published	10/692563	24-Oct-2003	United States of America	PAZ114CP2RCE			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/001	Converted	60/286193	24-Apr-2001	United States of America	PAZ-0114-1			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-526/002	Converted	60/421259	24-Oct-2002	United States of America	PAZ-0114-2			SUBSTITUTED TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF MALARIA
16534-528/001	Published	2748169.6	15-Jul-2002	European Patent Convention	PAZ-0147CFEP			TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES

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16534-528/001	Pending	2003-511780	15-Jul-2002	Japan	PAZ-0147CPIP		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-528/D01	Pending	Not yet assigned	15-Jul-2002	Japan	PAZ-0147CIPDV		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-528/001	National	US2002/022451	15-Jul-2002	Patent Cooperation Treaty	PAZ-0147CPC		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-528/C01	Published	10996119	22-Nov-2004	United States of America	PAZ-0147CPCN		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-528/P01	Converted	60305546	13-Jul-2001	United States of America	PAZ-0147-1		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-528/P02	Converted	60395741	12-Jul-2002	United States of America	PAZ-0147-2		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-528/P03	Converted	60441141	16-Jan-2003	United States of America	PAZ-0147-3		TETRACYCLINE COMPOUNDS HAVING TARGET THERAPEUTIC ACTIVITIES
16534-531/C02	Granted	10752378	05-Jan-2004	United States of America	PAZ-01176CN2	7323492	7-PYRROLLYL 9-AMINOACYL TETRACYCLINE COMPOUNDS AND METHODS OF USE THEREOF
16534-531/C03	Published	111049392	03-Dec-2007	United States of America	PAZ-01176CN3		7-PYRROLLYL 9-AMINOACYL TETRACYCLINE COMPOUNDS AND METHODS OF USE THEREOF
16534-532/001	Published	3729351.1	06-Jan-2003	European Patent Convention	PAZ-0163CPEP		4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/001	Published	2003-557528	06-Jan-2003	Japan	PAZ-0163CPIP		4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/D01	Pending	Not yet assigned	06-Jan-2003	Japan	PAZ-0163CIPDV		4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/001	National	US2003/000336	06-Jan-2003	Patent Cooperation Treaty	PAZ-0163CPC		4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/001	Granted	10337914	06-Jan-2003	United States of America	PAZ-0163CP	7056902	4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/C01	Published	111283571	18-Nov-2005	United States of America	PAZ-0163CPCN		4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/P01	Converted	60346930	08-Jan-2002	United States of America	PAZ-0165-1		7-SUBSTITUTED 4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/P02	Converted	60346929	08-Jan-2002	United States of America	PAZ-164-1		7-9-SUBSTITUTED 4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/P03	Converted	60347065	08-Jan-2002	United States of America	PAZ-165-1		9-SUBSTITUTED 4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/P04	Converted	60346956	08-Jan-2002	United States of America	PAZ-166-1		13-SUBSTITUTED 4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-532/P05	Converted	60367049	21-Mar-2002	United States of America	PAZ-167-1		8-SUBSTITUTED 4-DEDIMETHYLAMINO TETRACYCLINE COMPOUNDS
16534-533/001	Accepted	2003220123	10-Mar-2003	Australia	PAZ-178CPAU		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Pending	2478235	10-Mar-2003	Canada	PAZ-178CPCA		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Published	38099979.9	10-Mar-2003	China (People's Republic)	PAZ-178CPCI		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/D01	Published	200810096219	06-May-2008	China (People's Republic)	PAZ-178CPCIDV		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Pending	200401169	10-Mar-2003	Eurasian Patent Organization	PAZ-178CPEA		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/D01	Pending	200802365	10-Mar-2003	Eurasian Patent Organization	PAZ-178CPEADV		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Published	3716416.7	10-Mar-2003	European Patent Convention	PAZ-178CPBP		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Granted	2212CHENIP/2004	10-Mar-2003	India	PAZ-0178CPIN	228816	AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/D01	Pending	2372CHENIP/2008	13-May-2008	India	PAZ-178CPINDV		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Pending	163931	10-Mar-2003	Israel	PAZ-178CPIL		AMINO-METHYL SUBSTITUTED TETRACYCLINE COMPOUNDS

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16534-533/D01	Published	2008-104216	14-Apr-2008	Japan	PAZ-0178CPIPDV			AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	Published	10*2004-7014092	10-Mar-2003	Korea, Republic of	PAZ-0178CPIKR			AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/001	National	US2003/007229	10-Mar-2003	Patent Cooperation Treaty	PAZ-0178CPIPC			AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/C01	Granted	10727361	15-Dec-2003	United States of America	PAZ-178CPCN	7326696	05-Feb-2008	AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/C02	Published	11/810336	05-Jun-2007	United States of America	PAZ-178CPCN2			AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/P01	Converted	607662654	08-Mar-2002	United States of America	PAZ-178-1			AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-533/P02	Converted	607395495	12-Jul-2002	United States of America	PAZ-178-2			AMINO-METHYL-SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-534/C02	Granted	10/636437	06-Aug-2003	United States of America	PAZ-0174CN2	7708482	24-Apr-2007	9-AMINOACYL TETRACYCLINE COMPOUNDS AND METHODS OF USE THEREOF
16534-534/C03	Allowed	11/643752	20-Dec-2006	United States of America	PAZ-0174CN3			9-AMINOACYL TETRACYCLINE COMPOUNDS AND METHODS OF USE THEREOF
16534-535/C03	Granted	1734447	01-Jun-2004	United States of America	PAZ-0175CN3	7001918	21-Feb-2006	7-PYRROLYL TETRACYCLINE COMPOUNDS AND METHODS OF USE THEREOF
16534-535/C04	Allowed	11/292552	02-Dec-2005	United States of America	PAZ-0175CN4			7-PYRROLYL TETRACYCLINE COMPOUNDS AND METHODS OF USE THEREOF
16534-536/001	Pending	2003218243	18-Mar-2003	Australia	PAZ-0181CFAU			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Pending	2479877	18-Mar-2003	Canada	PAZ-0181CPCA			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Published	3810965.4	18-Mar-2003	China (People's Republic)	PAZ-0181CPCI			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/D01	Proposed	Not yet assigned	18-Mar-2003	China (People's Republic)	PAZ-0181CPCIDV			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Pending	200401232	18-Mar-2003	Eurasian Patent Organization	PAZ-0181CPEA			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Published	3714236.1	18-Mar-2003	European Patent Convention	PAZ-0181CPEP			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Granted	2332/CHENP/2004	18-Mar-2003	India	PAZ-0181CPIP	226847	24-Dec-2008	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Pending	164180	18-Mar-2003	Israel	PAZ-0181CPIIL			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Published	2003-577816	18-Mar-2003	Japan	PAZ-0181CPIJP			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	Published	10-2004-7014930	18-Mar-2003	Korea, Republic of	PAZ-0181CPIKR			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/001	National	US2003/008324	18-Mar-2003	Patent Cooperation Treaty	PAZ-0181CPIPC			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/C01	Published	107740961	18-Dec-2003	United States of America	PAZ-0181CPCN			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/P01	Converted	607367045	21-Mar-2002	United States of America	PAZ-0181-1			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/P02	Converted	607366915	21-Mar-2002	United States of America	PAZ-0182-1			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/P03	Converted	607367048	21-Mar-2002	United States of America	PAZ-0183-1			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/P04	Converted	607395468	17-Jul-2002	United States of America	PAZ-0195-1			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-536/P05	Converted	60440305	14-Jun-2003	United States of America	PAZ-0216-1			SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	Pending	2003261161	14-Jul-2003	Australia	PAZ-0173CAU			3, 10, AND 12a-SUBSTITUTED TETRACYCLINE COMPOUNDS

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16534-538/001	Published	3821180.7	14-Jul-2003	China (People's Republic)	PAZ-0173CI	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	Allowed	200500197	14-Jul-2003	Eurasian Patent Organization	PAZ-0173EA	SUBSTITUTED TETRACYCLINE COMPOUNDS, A PHARMACEUTICAL COMPOSITION AND A METHOD FOR TREATING A TETRACYCLINE RESPONSIVE STATE IN A SUBJECT
16534-538/D01	Pending	200900540	14-Jul-2003	Eurasian Patent Organization	PAZ-0173EADV	SUBSTITUTED TETRACYCLINE COMPOUNDS, A PHARMACEUTICAL COMPOSITION AND A METHOD FOR TREATING A TETRACYCLINE RESPONSIVE STATE IN A SUBJECT
16534-538/001	Published	376630.4	14-Jul-2003	European Patent Convention	PAZ-0173CEP	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	Granted	168/CHENP2005	14-Jul-2003	India	PAZ-0173PCIN	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	Pending	153639	14-Jul-2003	Israel	PAZ-0173PCIL	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	Published	2004-521799	14-Jul-2003	Japan	PAZ-0173PCJP	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	Pending	16-2005-7000578	14-Jul-2003	Korea, Republic of	PAZ-0173PKR	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/001	National	US2003/021992	14-Jul-2003	Patent Cooperation Treaty	PAZ-173PC	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/C02	Published	643499	28-Feb-2005	United States of America	PAZ-0173PCN2	3, 10, AND 12a SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-538/P01	Converted	60/595696	12-Jul-2002	United States of America	PAZ-0173-1	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	Pending	2003287217	24-Oct-2003	Australia	PAZ-0203PAU	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	Pending	2503446	24-Oct-2003	Canada	PAZ-0203PCA	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	Published	3781397.9	24-Oct-2003	European Patent Convention	PAZ-0203CEP	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	Pending	168085	24-Oct-2003	Israel	PAZ-0203CPII	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	Published	2004-547164	24-Oct-2003	Japan	PAZ-0203CPIP	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	National	US2003/033926	24-Oct-2003	Patent Cooperation Treaty	PAZ-0203CPPC	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/001	Published	10/692764	24-Oct-2003	United States of America	PAZ-0203CP	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-539/P01	Converted	60/421248	24-Oct-2002	United States of America	PAZ-0205-1	METHODS OF USING SUBSTITUTED TETRACYCLINE COMPOUNDS TO MODULATE RNA
16534-541/001	Pending	2004259659	25-Jun-2004	Australia	PAZ-0231CPAU	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Pending	2531728	25-Jun-2004	Canada	PAZ-0231CPCA	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Published	200480025635.1	25-Jun-2004	China (People's Republic)	PAZ-0231CPCI	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Pending	200600221	25-Jun-2004	Eurasian Patent Organization	PAZ-0231CPEA	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Published	4756012.3	25-Jun-2004	European Patent Convention	PAZ-0231CPEP	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Pending	490/CHENP2006	25-Jun-2004	India	PAZ-231CPIN	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Pending	Not yet assigned	25-Jun-2004	India	PAZ-231CPINDV	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Pending	173019	25-Jun-2004	Israel	PAZ-0231CPIL	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Published	2006-511660	25-Jun-2004	Japan	PAZ-0231CFJP	SUBSTITUTED TETRACYCLINE COMPOUNDS



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16534-541/001	National		US2004/020249	25-Jun-2004	Patent Cooperation Treaty	PAZ-0231CPPC	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/001	Published		10/877928	25-Jun-2004	United States of America	PAZ-0231CP	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/P01	Converted		60/486017	09-Jul-2003	United States of America	PAZ-0231-1	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/P02	Converted		60/525287	25-Nov-2003	United States of America	PAZ-0231-2	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-541/P03	Converted		60/530123	16-Dec-2003	United States of America	PAZ-0231-3	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-542/001	Pending		2004259661	25-Jun-2004	Australia	PAZ-0248CPAU	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/001	Pending		2531732	25-Jun-2004	Canada	PAZ-0248CPCA	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/001	Published		4756044.6	25-Jun-2004	European Patent Convention	PAZ-0248CPEP	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/001	Pending		173022	25-Jun-2004	Israel	PAZ-0248CPIL	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/001	Pending		2006-518681	25-Jun-2004	Japan	PAZ-0248CPJP	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/001	National		US2004/020305	25-Jun-2004	Patent Cooperation Treaty	PAZ-0248CPPC	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/002	Published		409378	12-Jan-2006	United States of America	PAZ-0248CP2	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/P01	Converted		60/566150	27-Apr-2004	United States of America	PAZ-248-1	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-542/P02	Converted		60/643525	12-Jan-2005	United States of America	PAZ-248-2	PRODRUGS OF 9-AMINOMETHYL TETRACYCLINE COMPOUNDS
16534-543/001	Pending		2555510	18-Jan-2005	Canada	PAZ-0241CPCA	AROMATIC A-RING DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/001	Published		5723098.9	18-Jan-2005	European Patent Convention	PAZ-0241CPBP	AROMATIC A-RING DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/001	Published		2006-549717	18-Jan-2005	Japan	PAZ-0241CPJP	AROMATIC A-RING DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/001	National		US2005/004793	18-Jan-2005	Patent Cooperation Treaty	PAZ-0241CPPC	AROMATIC A-RING DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/001	Published		11/039230	18-Jan-2005	United States of America	PAZ-0241CP	AROMATIC A-RING DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/P01	Converted		60/537228	15-Jan-2004	United States of America	PAZ-0241-1	1-POSITION DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/P02	Converted		60/558907	01-Apr-2004	United States of America	PAZ-0241-2	1-POSITION DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-543/P03	Converted		60/627720	27-Oct-2004	United States of America	PAZ-0241-3	1-POSITION DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-545/001	Pending		2005299569	25-Oct-2005	Australia	PAZ-0260CPAU	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/001	Pending		2582248	25-Oct-2005	Canada	PAZ-0260CPCA	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/001	Published		5824836	25-Oct-2005	European Patent Convention	PAZ-0260CPEP	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/D01	Published		8017317.2	25-Oct-2005	European Patent Convention	PAZ-0260CPEPDV	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/001	Pending		182728	25-Oct-2005	Israel	PAZ-0260CPIL	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/001	Published		2007-539189	25-Oct-2005	Japan	PAZ-0260CPJP	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/001	National		US2005/039014	25-Oct-2005	Patent Cooperation Treaty	PAZ-0260CPPC	SUBSTITUTED TETRACYCLINE COMPOUNDS

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16534-545/P01	Converted	60/622027		25-Oct-2004	United States of America	PAZ-259-1	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-545/P02	Converted	60/622749		27-Oct-2004	United States of America	PAZ-260-1	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-546/001	Pending	2005299294		25-Oct-2005	Australia	PAZ-0265CPAU	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/001	Pending	2585418		25-Oct-2005	Canada	PAZ-0263CPCA	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/001	Published	5823377.6		25-Oct-2005	European Patent Convention	PAZ-0263CPPE	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/001	Pending	182734		25-Oct-2005	Israel	PAZ-0263CPIL	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/001	Published	2007-539098		25-Oct-2005	Japan	PAZ-0263CPJP	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/001	National	US2005/038733		25-Oct-2005	Patent Cooperation Treaty	PAZ-0263CPPC	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/001	Published	11/258613		25-Oct-2005	United States of America	PAZ-0263CP	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-546/P01	Converted	60/673827		21-Apr-2005	United States of America	PAZ-0263-1	4-AMINOTETRACYCLINES AND METHODS OF USE THEREOF
16534-547/001	Pending	2006210406		06-Feb-2006	Australia	PAZ-0264CPAU	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-547/001	Pending	2597212		06-Feb-2006	Canada	PAZ-0264CPAU	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-547/001	Published	6720406.5		06-Feb-2006	European Patent Convention	PAZ-0264CPPE	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-547/001	Published	2007-554314		06-Feb-2006	Japan	PAZ-0264CPJP	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-547/001	National	US2006/004233		06-Feb-2006	Patent Cooperation Treaty	PAZ-0264CPPC	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-547/001	Published	11/248608		06-Feb-2006	United States of America	PAZ-0264CP	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-547/P01	Converted	60/650031		04-Feb-2005	United States of America	PAZ-0264-1	11a, 12-DERIVATIVES OF TETRACYCLINE COMPOUNDS
16534-548/001	Pending	2006272698		21-Jul-2006	Australia	PAZ-0267CPAU	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	Pending	2616224		21-Jul-2006	Canada	PAZ-0267CPCA	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	Published	6788310.8		21-Jul-2006	European Patent Convention	PAZ-0267CPPE	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	Published	8111411		21-Jul-2006	Hong Kong	PAZ-0267CPHK	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	Pending	188749		21-Jul-2006	Israel	PAZ-0267CPIL	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	Published	2008-523041		21-Jul-2006	Japan	PAZ-0267CPJP	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	National	US2006/028676		21-Jul-2006	Patent Cooperation Treaty	PAZ-0267CPPC	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/001	Published	11/490867		21-Jul-2006	United States of America	PAZ-0267CP	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/P01	Converted	60/701730		21-Jul-2005	United States of America	PAZ-0267-1	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-548/P02	Converted	60816066		23-Jun-2006	United States of America	PAZ-0267-2	10-SUBSTITUTED TETRACYCLINES AND METHODS OF USE THEREOF
16534-549/001	Pending	2007208214		24-Jan-2007	Australia	PAZ-0285CPAU	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES
16534-549/001	Pending	2639406		24-Jan-2007	Canada	PAZ-0285CPCA	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES

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16534-549/001	Pending	9104248.3	24-Jan-2007	Hong Kong	PAZ-0285CPHK	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES
16534-549/001	Pending	2008-52415	24-Jan-2007	Japan	PAZ-0285CPJP	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES
16534-549/001	National	US2007/002081	24-Jan-2007	Patent Cooperation Treaty	PAZ-0285PC	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES
16534-549/001	Published	55824	24-Jan-2007	United States of America	PAZ-0285	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES
16534-549/001	Converted	607761819	24-Jan-2006	United States of America	PAZ-0285-1	METHODS OF INCREASING ORAL BIOAVAILABILITY OF TETRACYCLINES
16534-550/001	Pending	2007249696	15-May-2007	Australia	PAZ-0300CPAU	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-550/001	Pending	Not yet assigned	15-May-2007	Canada	PAZ-0300CPCA	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-550/001	Published	7809091.7	15-May-2007	European Patent Convention	PAZ-0300CPPEP	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-550/001	Pending	Not yet assigned	15-May-2007	Japan	PAZ-0300CPJP	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-550/001	National	US2007/011700	15-May-2007	Patent Cooperation Treaty	PAZ-0300CPPC	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-550/001	Published	11/803854	15-May-2007	United States of America	PAZ-0300CP	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-552/001	Pending	11/870317	10-Oct-2007	United States of America	PAZ-0281CP	METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF BACILLUS ANTHRACIS INFECTIONS
16534-553/001	Converted	60851211	11-Oct-2006	United States of America	PAZ-0281-2	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF BACILLUS ANTHRACIS INFECTIONS
16534-553/001	Pending	Not yet assigned	21-Dec-2007	Australia	PAZ-0291CPAU	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF INFLAMMATORY SKIN DISEASE
16534-553/001	Pending	Not yet assigned	21-Dec-2007	Canada	PAZ-0291CPCA	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF INFLAMMATORY SKIN DISEASE
16534-553/001	Pending	7870927.6	21-Dec-2007	European Patent Convention	PAZ-0291CPPEP	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF INFLAMMATORY SKIN DISEASE
16534-553/001	Published	US2007/026220	21-Dec-2007	Patent Cooperation Treaty	PAZ-0291CPPC	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF INFLAMMATORY SKIN DISEASE
16534-553/001	Published	11/963509	21-Dec-2007	United States of America	PAZ-0291CP	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF INFLAMMATORY SKIN DISEASE
16534-553/001	Converted	60876434	21-Dec-2006	United States of America	PAZ-0291-1	SUBSTITUTED TETRACYCLINE COMPOUNDS FOR TREATMENT OF INFLAMMATORY SKIN DISEASE
16534-554/001	Pending	Not yet assigned	19-Dec-2007	Australia	PAZ-0292CPAU	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	Not yet assigned	20-Dec-2007	Brazil	PAZ-0292CPBR	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	Not yet assigned	21-Dec-2007	Canada	PAZ-0292CPCA	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	7867938.8	21-Dec-2007	European Patent Convention	PAZ-0292CPPEP	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	Not yet assigned	21-Dec-2007	Israel	PAZ-0292CPIL	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	Not yet assigned	21-Dec-2007	Japan	PAZ-0292CPJP	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	Not yet assigned	21-Dec-2007	Korea, Republic of	PAZ-0292CPKR	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	Not yet assigned	21-Dec-2007	Mexico	PAZ-0292CPMX	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Published	US2007/026178	21-Dec-2007	Patent Cooperation Treaty	PAZ-0292CPPC	TETRACYCLINE DERIVATIVES FOR THE TREATMENT OF BACTERIAL, VIRAL AND PARASITIC INFECTIONS
16534-554/001	Pending	11/963540	21-Dec-2007	United States of America	PAZ-0292CP	SUBSTITUTED TETRACYCLINE COMPOUNDS

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16534-554/P02	Converted	60/943003			08-Jan-2007	United States of America	PAZ-0292-2	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-556/001	Published	US2008/004827			14-Apr-2008	Patent Cooperation Treaty	PAZ-0294CP	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-556/001	Published	12/102623			14-Apr-2008	United States of America	PAZ-0294CP	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-556/P01	Converted	60/9231031			12-Apr-2007	United States of America	PAZ-0294-1	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-556/P02	Converted	60/930883			18-May-2007	United States of America	PAZ-0296-2	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-556/P03	Converted	60/946110			25-Jun-2007	United States of America	PAZ-0296-3	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-556/P04	Converted	60/994163			18-Sep-2007	United States of America	PAZ-0296-4	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-556/P05	Converted	60/986192			07-Nov-2007	United States of America	PAZ-0296-5	METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-557/001	Published	US2008/005452			28-Apr-2008	Patent Cooperation Treaty	PAZ-0298CP	METHODS FOR SYNTHESIZING AND PURIFYING AMINOMETHYL MINOCYCLINE COMPOUNDS
16534-557/001	Published	12/110627			28-Apr-2008	United States of America	PAZ-0298CP	METHODS FOR SYNTHESIZING AND PURIFYING AMINOMETHYL MINOCYCLINE COMPOUNDS
16534-557/P01	Converted	60/926461			27-Apr-2007	United States of America	PAZ-0298-1	METHODS FOR SYNTHESIZING AND PURIFYING AMINOMETHYL MINOCYCLINE COMPOUNDS
16534-559/001	Published	US2008/008355			07-Jul-2008	Patent Cooperation Treaty	PAZ-0305CP	METHODS FOR SYNTHESIZING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-559/001	Published	12/217709			07-Jul-2008	United States of America	PAZ-0305-CP	METHODS FOR SYNTHESIZING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-559/P01	Converted	60/948385			06-Jul-2007	United States of America	PAZ-0305-1	METHODS FOR SYNTHESIZING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-559/P02	Converted	61/060351			16-Jun-2008	United States of America	PAZ-0305-2	METHODS FOR SYNTHESIZING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-562/001	Pending	US2009/001451			05-Mar-2009	Patent Cooperation Treaty	PAZ-0314-1 PCT	METHODS OF TREATING INFECTIONS USING TETRACYCLINE COMPOUNDS
16534-562/001	Pending	14/11634			05-Mar-2009	United States of America	PAZ-314CP	METHODS OF TREATING INFECTIONS USING TETRACYCLINE COMPOUNDS
16534-562/P01	Converted	61/068180			05-Mar-2008	United States of America	PAZ-0314-1	METHODS OF TREATING INFECTIONS USING TETRACYCLINE COMPOUNDS
16534-562/001	Pending	US2009/001973			30-Mar-2009	Patent Cooperation Treaty	PAZ-0315CP	ORAL AND INJECTABLE FORMULATIONS OF TETRACYCLINE COMPOUNDS
16534-562/001	Pending	12/414615			30-Mar-2009	United States of America	PAZ-0315CP	ORAL AND INJECTABLE FORMULATIONS OF TETRACYCLINE COMPOUNDS
16534-564/001	Converted	61/040398			28-Mar-2008	United States of America	PAZ-0315-1	ORAL AND INJECTABLE FORMULATIONS OF TETRACYCLINE COMPOUNDS
16534-564/001	Pending	US2009/002344			14-Apr-2009	Patent Cooperation Treaty	PAZ-0319CP	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-564/001	Pending	12/423718			14-Apr-2009	United States of America	PAZ-0319CP	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-564/P01	Converted	61/044773			14-Apr-2008	United States of America	PAZ-0319-1	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-565/001	Pending	P090101875			26-May-2009	Argentina	PAZ-0320CPAR	SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-565/001	Proposed	Not yet assigned				Gulf Cooperation Council	PAZ-0320CPGC	SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Proposed	Not yet assigned				Iraq	PAZ-0320CPIQ	SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Proposed	Not yet assigned				Iran (Islamic Republic of)	PAZ-0320CPIR	SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Proposed	Not yet assigned				Jordan	PAZ-0320CPJO	SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND

Patents and Patent Applications Owned by Paratek

16534-565/001	Proposed		Not yet assigned		Lebanon	PAZ-0320CPLB		SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Pending	25-May-2009	Not yet assigned		Pakistan	PAZ-0320CPPK		SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Pending	25-May-2009	901005307		Thailand	PAZ-0320CPTH		SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Pending	25-May-2009	98117308		Taiwan	PAZ-0320CPTW		SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Pending	26-May-2009	US2009/045143		Patent Cooperation Treaty	PAZ-0320CPPC		SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Pending	26-May-2009	12471758		United States of America	PAZ-0320CP		SALTS AND POLYMORPHS OF A TETRACYCLINE COMPOUND
16534-565/001	Converted	23-May-2008	61128712		United States of America	PAZ-0320-1		STABLE P-TOLUENESULFONIC ACID SALTS OF TETRACYCLINE-TYPE COMPOUNDS AND METHODS OF PRODUCING THE SAME
16534-567/001	Pending	15-May-2007	2007249095		Australia	PKZ-0027CPAU		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/001	Pending	15-May-2007	2652346		Canada	PKZ-0027CPCA		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/001	Published	15-May-2007	77770873		European Patent Convention	PKZ-0027CPEP		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/001	Pending	15-May-2007	2009-511044		Japan	PKZ-0027CPIP		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/001	National	15-May-2007	US2007/011099		Patent Cooperation Treaty	PKZ-0027CPPC		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/002	Pending	19-Sep-2008	12234265			PAZ-0320CPCN2		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/003	Pending	27-May-2009	12473193		United States of America	PAZ-0320CPCN3		METHODS OF REGULATING EXPRESSION OF GENES OR OF GENE PRODUCTS USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-567/001	Converted	15-May-2006	60809662		United States of America	PKZ-0027-1		METHODS OF REGULATING EXPRESSION OF GENES USING SUBSTITUTED TETRACYCLINE COMPOUNDS
16534-569/001	Pending	19-Sep-2008	61/098594		United States of America	Not assigned		TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF RHEUMATOID ARTHRITIS
16534-569/002	Pending	24-Oct-2008	61/108386		United States of America	Not assigned		TETRACYCLINE COMPOUNDS FOR THE TREATMENT OF RHEUMATOID ARTHRITIS
16534-570/001	Pending	02-Mar-2009	61/156679		United States of America	Not assigned		METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-570/002	Pending	10-Jun-2009	61/185889		United States of America	Not assigned		METHODS FOR TREATING SPINAL MUSCULAR ATROPHY USING TETRACYCLINE COMPOUNDS
16534-571/001	Pending	11-Mar-2009	61/159326		United States of America	Not assigned		MINOCYCLINE COMPOUNDS AND METHODS OF USE THEREOF

PARATEK PHARMACEUTICALS, INC. STATUS REPORT

McCarter No.	Country	Appln. No.	Patent No.	Filing Date	Issue Date	Title	Status
117728-22201/	US	10/786881	7553828	24-Feb-2004	30-Jun-2009	9-AMINOMETHYL SUBSTITUTED MINOCYCLINE COMPOUNDS	Granted
117728-22202/	US	12/473955		28-May-2009		9-AMINOMETHYL SUBSTITUTED MINOCYCLINE COMPOUNDS	Pending
117728-05406/	US	10/700661	7405235 B2	03-Nov-2003	29-Jul-2008	TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Granted
117728-05407/	US	12/069723		12-Feb-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-05421/P	AU	2002367953	2002367953	06-May-2002	12-Feb-2009	TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Allowed
117728-05422/P	AU	2008203017		08-Jul-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05423/P	CA	2445515		06-May-2002		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05424/X	EP	2807554.7		06-May-2002		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05425/P	JP	2004-515557		06-May-2002		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05427/P	AU	2003291226		03-Nov-2003		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05428/P	CA	2504448		29-Apr-2005		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05429/X	EP	3783155.9		03-Nov-2003		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05430/P	IL	168268		03-Nov-2003		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-05431/P	JP	2004-550495		03-Nov-2003		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-14801/	US	10/196672	7075582B2	15-Jul-2002	11-Jul-2006	METHODS FOR IDENTIFYING AND USING MarR FAMILY POLYPEPTIDE BINDING COMPOUNDS	Granted
117728-14802/	US	11/296017		07-Dec-2005		METHODS FOR IDENTIFYING AND USING MarR FAMILY POLYPEPTIDE BINDING COMPOUNDS	Published
117728-14803/	US	12/486972		18-Jun-2009		METHODS FOR IDENTIFYING AND USING MarR FAMILY POLYPEPTIDE BINDING COMPOUNDS	Pending
117728-19005/	US	10/602562		24-Jun-2003		METHODS FOR PREVENTING AND TREATING MICROBIAL INFECTIONS BY MODULATING TRANSCRIPTION FACTORS	Pending
117728-19021/P	AU	2003279273		24-Jun-2003		METHODS FOR PREVENTING AND TREATING MICROBIAL INFECTIONS BY MODULATING TRANSCRIPTION FACTORS	Pending
117728-19022/P	CA	2489943		24-Jun-2003		METHODS FOR PREVENTING AND TREATING MICROBIAL INFECTIONS BY MODULATING TRANSCRIPTION FACTORS	Pending
117728-19023/X	EP	3742158.3		24-Jun-2003		METHODS FOR PREVENTING AND TREATING MICROBIAL INFECTIONS BY MODULATING TRANSCRIPTION FACTORS	Pending
117728-19024/P	JP	2004-530970		24-Jun-2003		METHODS FOR PREVENTING AND TREATING MICROBIAL INFECTIONS BY MODULATING TRANSCRIPTION FACTORS	Published

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McCartner No.	Country	Appln. No.	Patent No.	Filing Date	Issue Date	Title	Status
117728-21504/	US	10/754041		07-Jan-2004		SUBSTITUTED POLYAMINES AS INHIBITORS OF BACTERIAL EFFLUX PUMPS	Published
117728-26901/P	US	11/115024		25-Apr-2005		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-26921/	AU	20055324492		25-Apr-2005		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-26922/	CA	2562763		25-Apr-2005		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-26923/	EP	5856651.4		25-Apr-2005		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-26924/	IL	178600		15-Oct-2006		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-26925/	JP	2007-509742		25-Apr-2005		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-28702/	US	11/823103		25-Jun-2007		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-28721/	AU	2007351886		22-Dec-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-28722/	CA	2656157		22-Dec-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-28723/	CN	200780029895.X		11-Feb-2009		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-28724/	EP	7873415.9		20-Jan-2009		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-28725/	IL	195992		25-Jun-2007		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-28726/	JP	2009-516593		22-Dec-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117728-29705/	US	12/057357		27-Mar-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-29720/	PCT	PCT/US2008/004090		27-Mar-2008		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Published
117728-32401/	US	61/108230		24-Oct-2008		METHODS FOR PREVENTING AND TREATING MICROBIAL INFECTIONS BY MODULATING TRANSCRIPTION FACTORS	Pending
117728-40001/	US	61/171825		22-Apr-2009		TRANSCRIPTION FACTOR MODULATING COMPOUNDS AND METHODS OF USE THEREOF	Pending
117898-00301/	US	09/027130	6138602	20-Feb-1998	24-Oct-2000	OLIGONUCLEOTIDES SPECIFIC FOR THE marORAB OPERON	Granted
117898-00302/C	US	1704467	6485973B1	16-Jun-2000	26-Nov-2002	OLIGONUCLEOTIDES SPECIFIC FOR THE marORAB OPERON	Granted
117898-00403/C	US	10/742469		18-Dec-2003		MARA FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Pending
117898-00422/PD	AU	2003200632	2003200632	24-Feb-2003	26-Apr-2007	MARA FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Granted
117898-00423/	AU	2007201592		11-Apr-2007		MARA FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Pending

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McCarter No.	Country	Appln. No.	Patent No.	Filing Date	Issue Date	Title	Status
117898-00424/P	CA	2329120		21-May-1999		Mar A FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Pending
117898-00425/X	EP	99925730.6		21-May-1999		MarA FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Pending
117898-00426/X	EP	9154158.1		02-Mar-2009		MarA FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Pending
117898-00427/P	JP	2000-550965		21-May-1999		MARA FAMILY HELIX-TURN-HELIX DOMAINS AND THEIR METHODS OF USE	Pending
117898-00702/P	US	08/225480	5817793	08-Apr-1994	06-Oct-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00706/X	US	09/118445	6391545B1	19-Sep-2001	21-May-2002	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00721/E	AT	E173510	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00722/E	BE	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00723/E	CH	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00724/E	DE	658213	69322166.6	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00725/E	EP	93920397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00726/E	FR	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00727/E	GB	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00728/E	IE	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00729/E	IT	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00730/E	LU	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00731/E	NL	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00732/E	SE	93 92 0397.2	658213	27-Aug-1993	18-Nov-1998	MULTIPLE ANTIBIOTIC RESISTANCE OPERON ASSAYS	Granted
117898-00801/	US	08/379698	5650321	27-Jan-1995	22-Jul-1997	IDENTIFICATION AND ISOLATION OF NEW GENES OF A BACTERIAL MULTIPLE ANTIBIOTIC RESISTANCE REGULON	Granted
117898-00802/D	US	08/897357	5768924	21-Jul-1997	16-Jun-1998	IDENTIFICATION AND ISOLATION OF NEW GENES OF A BACTERIAL MULTIPLE ANTIBIOTIC RESISTANCE REGULON	Granted
117898-00901/	US	08/946225	6068972	07-Oct-1997	30-May-2000	METHODS AND COMPOSITIONS FOR REDUCING BACTERIAL TOLERANCE TO ANTIBACTERIALS, DISINFECTANTS AND ORGANIC SOLVENTS	Granted
117898-00904/X	US	09/515705	6448006B1	29-Feb-2000	10-Sep-2002	METHODS AND COMPOSITIONS FOR REDUCING BACTERIAL TOLERANCE TO ANTIBACTERIALS, DISINFECTANTS AND ORGANIC SOLVENTS	Granted
117898-03502/C	US	11/260676		26-Oct-2005		METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Published
117898-03504/X	US	09/358948	6346391B1	21-Feb-2001	12-Feb-2002	METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Granted
117898-03505/C	US	09/956835	6677133B2	28-Sep-2001	13-Jan-2004	METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Granted
117898-03506/C	US	10/629340	7026136B2	28-Jul-2003	11-Apr-2006	METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Granted
117898-03507/	US	12/476053		01-Jun-2009		METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Pending
117898-03521/P	AU	63666/00	783818	21-Jul-2000	08-Dec-2005	METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Granted



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117898-03522/	AU	2006200968		07-Mar-2006		METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Pending
117898-03523/P	CA	2378883		21-Jul-2000		METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Pending
117898-03525/	EP	6004644.8		07-Mar-2006		METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Published
117898-03526/P	JP	2001-511916		21-Jul-2000		METHODS OF REDUCING MICROBIAL RESISTANCE TO DRUGS	Pending
117898-07903/	US	10/196655	7202339B2	15-Jul-2002	10-Apr-2007	CRYSTAL STRUCTURE OF A MarR FAMILY POLYPEPTIDE	Granted
117898-07905/	US	12/488275		19-Jun-2009		CRYSTAL STRUCTURE OF A MarR FAMILY POLYPEPTIDE	Pending

EXHIBIT C

Trademarks

Case Number	Country	Trademark:	Trademark Status	Serial #:	Filing Date:	Publication Date:	Registration #:	Registration Date:
16534-008	Europe	PARACYCLINE	Registered	1561687	16-Mar-2000	27-Nov-2000	1561687	18-May-2001
16534-008	Japan	PARACYCLINE	Registered	2000-026596	17-Mar-2000		4447298	19-Jan-2001
16534-008(B)	Canada	PARACYCLINE	Published	1375644	11-Dec-2007	13-May-2009		
16534-009	USA	PARATEK	Registered	75/804632	21-Sep-1999	02-May-2000	2724637	10-Jun-2003
16534-011	Europe	THE ANTIBIOTIC RESISTANCE COMPANY (SM)	Registered	1654797	15-May-2000	22-Jan-2001	1654797	19-Jun-2001
16534-011	Japan	THE ANTIBIOTIC RESISTANCE COMPANY (SM)	Registered	2000-054156	18-May-2000	17-Apr-2001	4460371	16-Mar-2001
16534-015	Europe	PARATEK PHARMACEUTICALS & DESIGN	Registered	2520427	02-Jan-2002	09-Dec-2002	2520427	28-Jul-2003
16534-015	USA	PARATEK PHARMACEUTICALS & DESIGN	Registered	76/307719	31-Aug-2001	08-Oct-2002	2789354	02-Dec-2003
16534-401	USA	PARACYCLINE	Allowed	77/104228	09-Feb-2007	07-Aug-2007		

EXHIBIT D

Mask Works

None.