FORM PT.2-1604 RI	1-04-1998	SHEET U.S. DEPARTMENT OF COMMERCE
◆ ( The # rat / trait		Patent and Trademark Office
Tab settings □ □ □ ▼		` Y
To the Honorable Commissioner of	00869127	trached original documents or copy thereof.
Name of conveying party(les):		d address of receiving party(les)
Powerwave Technologies, Inc.	Name:	Comerica Bank-California
10.30.98	Internal A	Address:
☐ Individual(s) ☐ Association ☐ General Partnership ☐ Umited Partnership	ership Street Ad	dress: 10900 Wilshire BOulevard
© Corporation-State Delaware  O Other	ŧ	Angeles State: CA ZIP: 90024
Additional name(u) of conveying party(ies) attached?   Yes		ual(s) citizenshipation
3. Nature of conveyance:	in contain	ai raiueisiup
☐ Assignment ☐ Merge	LI LIMITEC	1 Partnership
	ge of Name	
Other	M essignee is not	domicited in the United States, a domestic representative designation
Execution Date: October 2, 1998	(Designations mus	CI TEXXIXING If the a separate document from assignment
LASCOUGT Date.	Additional name(s	) & address(es) attached? [] Yes XINO
4. Application number(s) or patent number(s):		•
A. Trademark Application No.(s)	B. Trade	mark Registration No.(s)
See Attached		See Attached
/03/1998 SMIRNS 00000172 2131938		·
1401.514 comm.	nal numbers attached? XXYes []	No ·
5. Name and address of party to whom correspond	ionce 6 Total num	aber of applications and
concerning document should be mailed:	registratio	ns involved:
Name: Jill M. Pietrini /		
Internal Address: Manatt, Phelps & Ph	illips 7. Total fee	(37 CFR 3.41)\$ 340.00
	X⊠ Enclos	sed
	> Author	rized to be charged to deposit account
Street Address: 11355 West Olympic B.	Lvd.	
	8. Deposit ad	∞ount number:
City: Los Angeles State: CA ZIP:	90064 DA	131 241
		icate copy of this page if paying by deposit eccount)
	DO NOT USE THIS SPACE	
9. Statement and signature.  To the best of my knowledge and belief, the fore the original document.	egoing information is true and	correct and any attached copy is a true copy of
	Cio D ()	
Jill M. Pietrini  Name of Person Signing	Signature	
	pages including cover sheet, attacher	nents, and document:
	ecorded with required cover she	

11-04-1998

Mark	Country	Serial/Reg. No.
POWERWAVE	USA	2,131,938
POWERWAVE TECHNOLOGIES	USA	2,131,941
POWERWAVE TECHNOLOGIES & Design	USA	75/340,399
THE MOST POWERFUL WAVE IN WIRELESS	USA	75/508,043
SPOTLIGHT	USA	75/376,995
LAMPLIGHTER	USA	75/376,994
METAWAVE	USA	75/376,993
METAWAVE	USA	75/336,689
SITENET	USA	75/325,856
LIGHTHOUSE	USA	75/167,712
NETMENTOR	USA	75/163,724
METASTAR	USA	75/151,043
DESIGN ONLY	USA	75/102,315

## TRADEMARK SECURITY AGREEMENT

## (TRADEMARKS, TRADEMARK REGISTRATIONS, TRADEMARK APPLICATIONS AND TRADEMARK LICENSES)

WHEREAS, POWERWAVE TECHNOLOGIES, INC., a Delaware corporation ("Pledgor"), now owns or holds and may hereafter acquire or hold Trademarks (defined as all of the following: all trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade dress, logos, other source of business identifiers and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof or similar property rights, and all applications in connection therewith, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any state thereof or any other country or any political subdivision thereof, and all reissues, extensions or renewals thereof) including, without limitation, the Trademarks listed on Schedule A annexed hereto, as such Schedule may be amended from time to time by the addition of Trademarks subsequently registered or otherwise adopted or acquired;

WHEREAS, the Pledgor has entered into a Loan and Security Agreement dated as of September 30, 1998 (as the same may be amended, supplemented or otherwise modified, renewed or replaced from time to time, the "Loan Agreement") with certain financial institutions party thereto as Lenders ("Lenders") and Comerica Bank-California ("Agent") as Agent for the Lenders (capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement);

WHEREAS, in connection with the Loan Agreement, Pledgor has granted to Agent a security interest in certain personal property of Pledgor including, without limitation, all right, title and interest of Pledgor in, to and under all of Pledgor's Trademarks and Trademark licenses (including, without limitation, those Trademark licenses listed on Schedule B hereto), whether presently existing or hereafter arising, adopted or acquired, together with the goodwill of the business connected with, and symbolized by, the Trademarks and all products and proceeds thereof and all income therefrom, including, without limitation, any and all causes of action which exist now or may exist in the future by reason of infringement or dilution thereof or injury to the associated goodwill, to secure the payment and performance of the Obligations (such term being used herein as defined in the Loan Agreement).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Pledgor does, as security for the Obligations, hereby grant to Agent a continuing security interest in all of Pledgor's right, title and interest in, to and under the following (all of the following items or types of property being collectively referred to herein as the "Trademark Collateral"), whether presently existing or hereafter arising or acquired:

- each Trademark and all of the goodwill of the business connected with the use of, and symbolized by, each Trademark, including, without limitation, each Trademark referred to in Schedule A annexed hereto;
- (b) each Trademark license, including, without limitation, each Trademark license referred to in Schedule B annexed hereto, to the extent such Trademark license does not prohibit the licensee from assigning or granting a security interest in its rights thereunder; and

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(c) all products and proceeds of, and income from, any of the foregoing, including, without limitation, any claim by Pledgor against third parties for the past, present or future infringement or dilution of any Trademark or any Trademark licensed under any Trademark license, or for injury to the goodwill associated with any Trademark.

Pledgor agrees to deliver updated copies of Schedule A and Schedule B to Agent at the end of any quarter in which Pledgor registers or otherwise adopts or acquires any Trademark not listed on Schedule A hereto or enters into any Trademark license not listed on Schedule B hereto, and to duly and promptly execute and deliver, or have duly and promptly executed and delivered, at the cost and expense of Pledgor and Borrower, such further instruments or documents (in form and substance satisfactory to Agent), and promptly perform, or cause to be promptly performed, any and all acts, in all cases, as may be necessary, proper or advisable from time to time, in the reasonable judgment of Agent, to carry out the provisions and purposes of Section 4 of the Loan Agreement and this Trademark Security Agreement, and to provide, perfect and preserve the Liens of Agent under the Loan Agreement, this Trademark Security Agreement and the other Loan Documents, in the Trademark Collateral or any portion thereof.

Pledgor agrees that if any Person shall do or perform any acts which Agent reasonably believes constitute an infringement of any Trademark, or violate or infringe any right of Pledgor or Agent therein or if any Person shall do or perform any acts which Agent reasonably believes constitute an unauthorized or unlawful use thereof, then and in any such event, Agent may and shall have the right, while an Event of Default is continuing, to take such steps and institute such suits or proceedings as Agent may deem advisable or necessary to prevent such acts and conduct and to secure damages and other relief by reason thereof, and to generally take such steps as may be advisable or necessary or proper for the full protection of the rights of the parties. Agent may take such steps or institute such suits or proceedings in its own name or in the name of Pledgor or in the names of the parties jointly. Agent hereby agrees to give Pledgor notice of any steps taken, or any suits or proceedings instituted, by Agent pursuant to this paragraph.

This security interest is granted in conjunction with the security interests granted to Agent pursuant to the Loan Agreement. Pledgor does hereby further acknowledge and affirm that the rights and remedies of Agent with respect to the security interest in the Trademark Collateral made and granted hereby are subject to, and more fully set forth in, the Loan Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

This Trademark Security Agreement is made for collateral purposes only. At such time as all of the Obligations under the Loan Agreement shall have been indefeasibly repaid in full and all Commitments shall have terminated, Agent shall execute and deliver to Pledgor, at Borrower's or Pledgor's expense, without representation, warranty or recourse, all releases and reassignments, termination statements and other instruments as may be necessary or proper to terminate the security interest of Agent in the Trademark Collateral, subject to any disposition thereof which may have been made by Agent pursuant to the terms hereof or of the Loan Agreement.

Agent agrees that there will be no assignment of the Trademark Collateral, other than the security interest described herein, unless and until there shall occur an Event of Default and Agent gives written notice to Pledgor of its intention to enforce its rights against any of the Trademark Collateral.

So long as no Event of Default shall have occurred and be continuing, and subject to the various provisions of the Loan Agreement and the other Loan Documents to which it is a party, Pledgor may use, license and exploit the Trademark Collateral in any lawful manner.

[remainder of page intentionally left blank; signature page follows]

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THIS TRADEMARK SECURITY AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY, THE LAWS OF THE STATE OF CALIFORNIA APPLICABLE TO CONTRACTS MADE AND TO BE PERFORMED WHOLLY WITHIN THE STATE OF CALIFORNIA.

IN WITNESS WHEREOF, Pledgor has caused this Trademark Security Agreement to be duly executed as of the date first set forth above by its officer thereunto duly authorized.

POWERWAVE TECHNOLOGIES, INC.

a Delaware corporation

Name: Kevin T. Michaels

Title: Vice President, Finance and Chief Financial Officer

Mark	Country	Serial/Reg. No.
POWERWAVE	USA	2,131,938
POWERWAVE TECHNOLOGIES	USA	2,131,941
POWERWAVE TECHNOLOGIES & Design	USA	75/340,399
THE MOST POWERFUL WAVE IN WIRELESS	USA	75/508,043
SPOTLIGHT	USA	75/376,995
LAMPLIGHTER	USA	75/376,994
METAWAVE	USA	75/376,993
METAWAVE	USA	75/336,689
SITENET	USA	75/325,856
LIGHTHOUSE	USA	75/167,712
NETMENTOR	USA	75/163,724
METASTAR	USA	75/151,043
DESIGN ONLY	USA	75/102,315
POWERWAVE TECNNOLOGIES	European Union	449,173
POWERWAVE TECNNOLOGIES & Design	European Union	671,255
POWERWAVE TECHNOLOGIES	Korea	97/4680
POWERWAVE TECHNOLOGIES & Design	Korea	97/54992
POWERWAVE TECHNOLOGIES	Brazil	820,401,900
POWERWAVE TECHNOLOGIES & Design	Brazil	800,543,594
POWERWAVE	Brazil	820,543,586
POWERWAVE TECNNOLOGIES & Design	Peru	056614

Mark	Country	Serial/Reg. No.
POWERWAVE TECHNOLOGIES & Design	Chile	405,804
POWERWAVE TECHNOLOGIES & Design	Mexico	322,565
POWERWAVE TECHNOLOGIES & Design	Mexico	322,569
POWERWAVE TECHNOLOGIES & Design	Mexico	322,568
POWERWAVE TECHNOLOGIES & Design	Argentina	2,129,572

## TRADEMARK LICENSES

None.

S:WML\CBC\PWAVE\SECAGT.2\101298\1449

STATE OF California )
COUNTY OF Drange )
ss.:

On the 2 day of OCNOC, in the year 1998, before me personally came Keri. I. MCMels, to me known, who, being by me sworn, did say that s/he is an Authorized Signatory of Powewave Tech which entity is described in, and which entity executed, the above instrument, and that he signed his name by order of the Board of Directors of Powewave Technologies

Notary Public

VICKI J. WARD
Commission # 1143496
Notary Public - California
Orange County
My Comm. Expires Jun 26, 2001

S:WML\CBC\PWAVE\SECAGT.2

**RECORDED: 10/30/1998**