

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM580895

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Lumen Technologies, Inc.		04/03/2020	Company: TEXAS
RECEIVING PARTY DATA			
Name:	Merchant Holding, LLC		
Street Address:	1010 Dale St. N.		
City:	Saint Paul		
State/Country:	MINNESOTA		
Postal Code:	55117-5603		
Entity Type:	Limited Liability Company: MINNESOTA		
PROPERTY NUMBERS Total: 2			
Property Type	Number	Word Mark	
Serial Number:	88642330	LUMEN	
Serial Number:	88642312	LUMEN TECHNOLOGIES	
CORRESPONDENCE DATA			
Fax Number:	6123329081		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	612-332-5300		
Email:	slindemeier@merchantgould.com		
Correspondent Name:	Merchant & Gould P.C.		
Address Line 1:	150 South Fifth Street, Suite 2200		
Address Line 4:	Minneapolis, MINNESOTA 55402		
ATTORNEY DOCKET NUMBER:	18269.0007US01		
NAME OF SUBMITTER:	Scott W. Johnston		
SIGNATURE:	/SWJ/		
DATE SIGNED:	06/11/2020		
Total Attachments: 25			
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TRADEMARK ASSIGNMENT

WHEREAS, Lumen Technologies, Inc. ("Seller"), a Texas company, having its principal place of business at 131 E. Sears St., Denison, TX 75020, owns all of the trademark rights in the name and marks LUMEN, LUMEN TECHNOLOGIES and LUMEN TECHNOLOGIES, INC., (the "LUMEN Marks") as used by it since at least as early as 2007 in connection with wireless & optical network products and services, including providing equipment and services to build, connect, integrate, test and secure critical networks and data infrastructure nationally and internationally. The LUMEN Marks shall also include any trademark applications or registrations filed by Seller for the LUMEN Marks or any mark or name containing the term LUMEN prior to the Effective Date, which applications and registrations (if any) are listed on the attached Appendix I.

WHEREAS, effective as of the "Effective Date" of 4/3/2020 at 11:59pm CDT Merchant Holding, LLC ("Buyer"), a Minnesota limited liability company, having an address at 1010 Dale St. N., Saint Paul, MN 55117-5603, has acquired all right, title and interest in and to said LUMEN Marks together with the goodwill and other incidents of business associated with or symbolized by said marks in a separate "Trademark Agreement" executed by the Parties;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Seller has sold, assigned and transferred, and by these presents does confirm the sale, assignment and transfer unto Buyer, its successors or assigns, its entire right, title and interest in and to said LUMEN Marks, together with the goodwill and other incidents of business associated with or symbolized by said mark as of the Effective Date.

Seller hereby consents to Buyer filling in the "Effective Date" of this Assignment in accordance with the terms of the separately executed Trademark Agreement between the Parties.

Seller further hereby consents to Buyer inserting into Appendix 1 the registration or application numbers for any trademark applications or registrations filed anywhere in the world by Seller for the LUMEN Marks or any mark or name containing the term LUMEN prior to the Effective Date.

LUMEN TECHNOLOGIES, INC.

MERCHANT HOLDING, LLC

By: Michael Nelson

By: Scott W Johnston

Printed Name: Michael Nelson

Printed Name: Scott W Johnston

Title: CEO

Title: Authorized Person

Appendix 1

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
US Federal Q3 uf 1	<u>LUMEN</u>	Pending - Initialized October 8, 2019 Int'l Class: 35,37,38,42 First Use: 2007 Filed: October 4, 2019	(Int'l Class: 35) Distributorship services in the field of optical and data center infrastructure; Distributorship services in the field of equipment to build, connect, integrate, test and secure critical networks and data infrastructure; Telecommunications network management services, namely, the administration of telecommunication systems and networks for others (Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; Installation, maintenance and repair of telecommunications networking hardware; Consulting in the field of maintenance and repair of telecommunications network hardware, apparatus, and instruments; Maintenance and repair of telecommunications networking hardware, apparatus, and instruments; Integration, testing and support of wireless networks; Integration, installation and testing of billing systems (Int'l Class: 38) Telecommunications consultation; Information about telecommunication; IP telecommunications services; Rental (lease) of equipment for telecommunications (Int'l Class: 42) Installation of computer software; Installation and maintenance of Internet access software; Computer security consultancy; Computer security threat analysis for protecting data; Technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of internet technology and services; Technical support services, namely, migration of data servers and database applications; Telecommunications engineering consultancy; Data security consultancy; Internet security consultancy; Computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; Updating and maintaining computer software through patches; Computer network configuration services; Consulting in the field of configuration management for computer hardware and software; Computer systems integration services; Integration of computer systems and networks	SN: 88642330
US Federal Q3 uf 2	<u>LUMEN TECHNOLOGIES</u>	Pending - Initialized October 8, 2019 Int'l Class: 35,37,38,42 First Use: 2007 Filed: October 4, 2019	(Int'l Class: 35) Distributorship services in the field of optical and data center infrastructure; Distributorship services in the field of equipment to build, connect, integrate, test and secure critical networks and data infrastructure; Telecommunications network management services, namely, the administration of	SN: 88642312

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>telecommunication systems and networks for others (Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; Installation, maintenance and repair of telecommunications networking hardware; Consulting in the field of maintenance and repair of telecommunications network hardware, apparatus, and instruments; Maintenance and repair of telecommunications networking hardware, apparatus, and instruments; Integration, testing and support of wireless networks; Integration, installation and testing of billing systems (Int'l Class: 38) Telecommunications consultation; Information about telecommunication; IP telecommunications services; Rental (lease) of equipment for telecommunications (Int'l Class: 42) Installation of computer software; Installation and maintenance of Internet access software; Computer security consultancy; Computer security threat analysis for protecting data; Technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of Internet technology and services; Technical support services, namely, migration of data servers and database applications; Telecommunications engineering consultancy; Data security consultancy; Internet security consultancy; Computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; Updating and maintaining computer software through patches; Computer network configuration services; Consulting in the field of configuration management for computer hardware and software; Computer systems integration services; Integration of computer systems and networks</p>	
Canada	LUMEN		<p>"(1) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; Automatic switching apparatus for telecommunication; Broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; Computer hardware and recorded software for setting up and configuring local area networks sold as a unit; Computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; Computer hardware for telecommunications; Computer networking hardware; Computer software for internet access, streaming media and content delivery; Computer software for location-based transmission of information; Geolocation software; LAN (local area network) access points for connecting network computer users; Mobile device software for use in teleconferencing and video conferencing;</p>	SN: 2006292

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>Network access server hardware; Telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; Wireless adapters used to link computers to a telecommunications network; Computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; Software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the Internet and other communications networks</p> <p>(1) Advisory services relating to the installation of wireless networks and computer equipment; Integration, testing and support of wireless networks</p> <p>(2) Consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments; Installation, maintenance and repair of telecommunications hardware and fiber optic networks; Maintenance of alarm systems; Repair and maintenance of telecommunication machines and apparatus;</p> <p>(3) Telecommunications consultation; Information about telecommunication; IP telecommunications services; Rental (lease) of equipment for telecommunications</p> <p>(4) Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; Communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; Digital broadcasting of television programs and movies via a global computer network; Electronic streaming and transmission of audio and video messages and images on the internet or an intranet; Electronic transmission of messages and data; Interactive television broadcasting services; Internet protocol television (IPTV) broadcasting services; Location-based transmission of information; Personal communications services; Providing a high speed access to area networks and a global computer information network; Providing access to internet protocol television (IPTV); Providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); Providing facilities and equipment for telecommunication access services; Providing facilities and equipment for video conferencing and telepresence conferencing; Providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud computing providers; Content delivery</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>networking services, namely, delivering content on behalf of others; Providing voice communication services via the Internet; Session initiation protocol (SIP) trunking services; Telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication; Telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; Telecommunications gateway services; Telecommunications services, namely, ISDN services; Telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; Teleconferencing and video conferencing services; Telephone calling card services; Telephony communication services; Television transmission services and satellite transmission services; Time division multiplexing (TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; Voice over IP services; Communications services, namely Local Area Networking (LAN) services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services (5) Computer network configuration services; Computer security consultancy; Computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; Computer security threat analysis for protecting data; Computer systems integration services; Consulting in the field of configuration management for computer hardware and software; Data security consultancy; Internet security consultancy; Installation and maintenance of Internet access software; Installation of computer software; Integration of computer systems and networks; Technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of internet technology and services; Technical support services, namely, migration of data servers and database applications; Telecommunications engineering consultancy; Updating and maintaining computer software through patches.</p> <p>(6) Application service provider (ASP), namely, hosting computer software applications of others; Automation services, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of environmental control systems for homes, buildings or structures; Automation services for security purposes, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of building access and security systems; Computer hardware and software consulting services in the field of telecommunications; Computer hardware and software design in the</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>field of telecommunications; Computer network design for others; Computer network management, namely, monitoring of network systems for technical purposes; Computer security service, namely, restricting access to and by computer networks to and of undesired web sites, media and individuals and facilities; Computer services, namely, cloud hosting provider services; Computer services, namely, filtering of unwanted e-mails; Computer services, namely, monitoring, testing, analyzing, and reporting on the internet traffic control and content control of the web sites of others; Computer services, namely, optimizing cloud computing networks in the nature of remote and on-site infrastructure management and monitoring of cloud computing IT and application systems; Computer services, namely, providing a web-based system and online portal for customers to remotely manage, administer, modify and control their end user computer devices, data and software applications; Computer services, namely, virus protection, data backup and recovery services; Computer software installation services in the field of telecommunications; Consulting in the field of telecommunications technology; Consulting services in the field of information technology and cloud computing; Design, creation, hosting, maintenance of websites for others; Design of computer networks for others; Design of telecommunication systems for others; Electronic storage services for archiving databases, images and other electronic data; Improving, optimizing and accelerating the performance of computing and networking applications, data storage, and communications protocols used in cloud computing networks, namely, updating and maintaining cloud-based computer software and programs; Managing and optimizing the WAN, VPN, and VPLS of others; Onsite telecommunications project management in the nature of network analysis and LAN/WAN design; Professional computer services, namely, network analysis, LAN/WAN design, wireless engineering, virtualization and computer project management; Providing virtual computer systems and virtual computer environments through cloud computing; Remote computer backup services; Technical support services, namely, managing the performance of computing and networking applications, servers, data storage, and communications protocols used in cloud computing networks; Technical support, namely, monitoring of network systems; Technical support services, namely, troubleshooting in the nature of diagnosing computer hardware and software problems; Television broadcasting services; Virtual server colocation services, namely, monitoring and managing hosted server infrastructure for others; Audio, text and video broadcasting services over computer or other communication networks, including uploading, posting, displaying and electronically transmitting data, information, audio and video images; Providing access to multimedia content online; Provision of access to electronic sites featuring content,</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			websites and portals; Information, advisory and consultancy services relating to all the aforesaid	
EU	LUMEN		<p>(Int'l Class: 09) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; Automatic switching apparatus for telecommunication; Broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; Computer hardware and recorded software for setting up and configuring local area networks sold as a unit; Computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; Computer hardware for telecommunications; Computer networking hardware; Computer software for internet access, streaming media and content delivery; Computer software for location-based transmission of information; Geolocation software LAN (local area network) access points for connecting network computer users; Mobile device software for use in teleconferencing and video conferencing; Network access server hardware; Telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; Wireless adapters used to link computers to a telecommunications network; Computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; Software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the Internet and other communications networks.</p> <p>(Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; Consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments; Installation, maintenance and repair of telecommunications hardware and fiber optic networks; Integration, testing and support of wireless networks; Maintenance of alarm systems; Repair and maintenance of telecommunication machines and apparatus.</p> <p>(Int'l Class: 38) Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; Communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; Digital broadcasting of television</p>	SN: 18181369

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>programs and movies via a global computer network; Electronic streaming and transmission of audio and video messages and images on the internet or an intranet; Electronic transmission of messages and data; Information about telecommunication; Interactive television broadcasting services; Internet protocol television (IPTV) broadcasting services; IP telecommunications services; Location-based transmission of information; Personal communications services; Providing a high speed access to area networks and a global computer information network; Providing access to internet protocol television (IPTV); Providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); Providing facilities and equipment for telecommunication access services; Providing facilities and equipment for video conferencing and telepresence conferencing; Providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud computing providers; Content delivery networking services, namely, delivering content on behalf of others Providing voice communication services via the Internet; Rental (lease) of equipment for telecommunications; Session initiation protocol (SIP) trunking services; Telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication; Telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; Telecommunications consultation; Telecommunications gateway services; Telecommunications services, namely, ISDN services; Telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; Teleconferencing and video conferencing services; Telephone calling card services; Telephony communication services; Television transmission services and satellite transmission services; Time division multiplexing (TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; Voice over IP services; Communications services, namely Local Area Networking (LAN) services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services.</p>	
Australia	LUMEN		<p>(Int'l Class: 9) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; Automatic switching apparatus for telecommunication; Broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; Computer hardware and recorded software for setting up</p>	SN: 2063116

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>and configuring local area networks sold as a unit; Computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; Computer hardware for telecommunications; Computer networking hardware; Computer software for internet access, streaming media and content delivery; Computer software for location-based transmission of information; Geolocation software; LAN (local area network) access points for connecting network computer users; Mobile device software for use in teleconferencing and video conferencing; Network access server hardware; Telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; Wireless adapters used to link computers to a telecommunications network; Computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; Software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the Internet and other communications networks</p> <p>(Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; Consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments; Installation, maintenance and repair of telecommunications hardware and fiber optic networks; Integration, testing and support of wireless networks; Maintenance of alarm systems; Repair and maintenance of telecommunication machines and apparatus</p> <p>(Int'l Class: 38) Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; Communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; Digital broadcasting of television programs and movies via a global computer network; Electronic streaming and transmission of audio and video messages and images on the internet or an intranet; Electronic transmission of messages and data; Information about telecommunication; Interactive television broadcasting services; Internet protocol television (IPTV) broadcasting services; IP telecommunications services; Location-based transmission of information; Personal communications services; Providing a high speed access to area networks and a global</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>computer information network; Providing access to internet protocol television (IPTV); Providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); Providing facilities and equipment for telecommunication access services; Providing facilities and equipment for video conferencing and telepresence conferencing; Providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud computing providers; Content delivery networking services, namely, delivering content on behalf of others; Providing voice communication services via the Internet; Rental (lease) of equipment for telecommunications; Session initiation protocol (SIP) trunking services; Telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication; Telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; Telecommunications consultation; Telecommunications gateway services; Telecommunications services, namely, ISDN services; Telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; Teleconferencing and video conferencing services; Telephone calling card services; Telephony communication services; Television transmission services and satellite transmission services; Time division multiplexing (TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; Voice over IP services; Communications services, namely Local Area Networking (LAN) services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services.</p>	
Russia	LUMEN		<p>(Int'l Class: 9) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; Automatic switching apparatus for telecommunication; Broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; Computer hardware and recorded software for setting up and configuring local area networks sold as a unit; Computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; Computer hardware for telecommunications; Computer networking hardware; Computer software for internet access, streaming media and content delivery; Computer software for location-based transmission of information; Geolocation software LAN (local area network) access points for connecting network computer users; Mobile device software for use in teleconferencing and</p>	SN: 2020702086

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>video conferencing; Network access server hardware; Telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; Wireless adapters used to link computers to a telecommunications network; Computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; Software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the Internet and other communications networks.</p> <p>(Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; Consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments; Installation, maintenance and repair of telecommunications hardware and fiber optic networks; Integration, testing and support of wireless networks; Maintenance of alarm systems; Repair and maintenance of telecommunication machines and apparatus.</p> <p>(Int'l Class: 38) Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; Communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; Digital broadcasting of television programs and movies via a global computer network; Electronic streaming and transmission of audio and video messages and images on the internet or an intranet; Electronic transmission of messages and data; Information about telecommunication; Interactive television broadcasting services; Internet protocol television (IPTV) broadcasting services; IP telecommunications services; Location-based transmission of information; Personal communications services; Providing a high speed access to area networks and a global computer information network; Providing access to internet protocol television (IPTV); Providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); Providing facilities and equipment for telecommunication access services; Providing facilities and equipment for video conferencing and telepresence conferencing; Providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>computing providers; Content delivery networking services, namely, delivering content on behalf of others; Providing voice communication services via the Internet; Rental (lease) of equipment for telecommunications; Session initiation protocol (SIP) trunking services; Telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication; Telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; Telecommunications consultation; Telecommunications gateway services; Telecommunications services, namely, ISDN services; Telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; Teleconferencing and video conferencing services; Telephone calling card services; Telephony communication services; Television transmission services and satellite transmission services; Time division multiplexing (TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; Voice over IP services; Communications services, namely Local Area Networking (LAN) services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services.</p> <p>(int'l Class: 42) Application service provider (ASP), namely, hosting computer software applications of others; Automation services, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of environmental control systems for homes, buildings or structures; Automation services for security purposes, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of building access and security systems; Computer hardware and software consulting services in the field of telecommunications; Computer hardware and software design the field of telecommunications; Computer network configuration services; Computer network design for others; Computer network management, namely, monitoring of network systems for technical purposes; Computer security consultancy; Computer security service, namely, restricting access to and by computer networks to and of undesired web sites, media and individuals and facilities; Computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; Computer security threat analysis for protecting data; Computer services, namely, cloud hosting provider services; Computer services, namely, filtering of unwanted e-mails; Computer services, namely, monitoring, testing,</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>analyzing, and reporting on the internet traffic control and content control of the web sites of others; Computer services, namely, optimizing cloud computing networks in the nature of remote and on-site infrastructure management and monitoring of cloud computing IT and application systems; Computer services, namely, providing a web-based system and online portal for customers to remotely manage, administer, modify and control their end user computer devices, data and software applications; Computer services, namely, virus protection, data backup and recovery services; Computer software installation services in the field of telecommunications; Computer systems integration services; Consulting in the field of configuration management for computer hardware and software; Consulting in the field of telecommunications technology; Consulting services in the field of information technology and cloud computing; Data security consultancy; Design, creation, hosting, maintenance of websites for others; Design of computer networks for others; Design of telecommunication systems for others; Electronic storage services for archiving databases, images and other electronic data; Improving, optimizing and accelerating the performance of computing and networking applications, data storage, and communications protocols used in cloud computing networks, namely, updating and maintaining cloud-based computer software and programs; Internet security consultancy; Installation and maintenance of Internet access software; Installation of computer software; Integration of computer systems and networks; Managing and optimizing the WAN, VPN, and VPLS of others; Onsite telecommunications project management in the nature of network analysis and LAN/WAN design; Professional computer services, namely, network analysis, LAN/WAN design, wireless engineering, virtualization and computer project management; Providing virtual computer systems and virtual computer environments through cloud computing; Remote computer backup services; Technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of internet technology and services; Technical support services, namely, managing the performance of computing and networking applications, servers, data storage, and communications protocols used in cloud computing networks; Technical support services, namely, migration of data servers and database applications; Technical support, namely, monitoring of network systems; Technical support services, namely, troubleshooting in the nature of diagnosing computer hardware and software problems; Telecommunications engineering consultancy; Television broadcasting services; Updating and maintaining computer software through patches; Virtual server colocation services, namely, monitoring and managing hosted server infrastructure for others; Audio, text and video</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>broadcasting services over computer or other communication networks, including uploading, posting, displaying and electronically transmitting data, information, audio and video images; Providing access to multimedia content online; Provision of access to electronic sites featuring content, websites and portals; Information, advisory and consultancy services relating to all the aforesaid.</p>	
Japan	LUMEN		<p>(Int'l Class: 9) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; Automatic switching apparatus for telecommunication; Broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; Computer hardware and recorded software for setting up and configuring local area networks sold as a unit; Computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; Computer hardware for telecommunications; Computer networking hardware; Computer software for internet access, streaming media and content delivery; Computer software for location-based transmission of information; Geolocation software; LAN (local area network) access points for connecting network computer users; Mobile device software for use in teleconferencing and video conferencing; Network access server hardware; Telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; Wireless adapters used to link computers to a telecommunications network; Computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; Software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the Internet and other communications networks; telecommunication machines and apparatus; personal digital assistants in the shape of a watch; personal digital assistants; smartphones; electronic machines, apparatus and their parts</p> <p>(Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments; installation, maintenance and repair of telecommunications hardware and fiber optic networks; integration, testing and support of wireless networks; maintenance of alarm systems; repair and maintenance of telecommunication machines and apparatus; repair or maintenance of electronic machines</p>	SN: 2020004707

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>and apparatus; machinery installation</p> <p>(Int'l Class: 38)</p> <p>Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; digital broadcasting of television programs and movies via a global computer network; electronic streaming and transmission of audio and video messages and images on the internet or an intranet; electronic transmission of messages and data; information about telecommunication; interactive television broadcasting services; Internet protocol television (IPTV) broadcasting services; IP telecommunications services; location-based transmission of information; personal communications services; providing a high speed access to area networks and a global computer information network; providing access to internet protocol television (IPTV); providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); providing facilities and equipment for telecommunication access services; providing facilities and equipment for video conferencing and telepresence conferencing; providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud computing providers; content delivery networking services, namely, delivering content on behalf of others; providing voice communication services via the Internet; rental (lease) of equipment for telecommunications; session initiation protocol (SIP) trunking services; telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication; telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; telecommunications consultation; telecommunications gateway services; telecommunications services, namely, ISDN services; telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; teleconferencing and video conferencing services; telephone calling card services; telephony communication services; television transmission services and satellite transmission services; time division multiplexing (TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; voice over IP services; communications services, namely Local Area Networking (LAN)</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services; television broadcasting services (transferred from class 42); broadcasting; rental of telecommunication equipment including telephones and facsimile apparatus</p> <p>(Int'l Class: 42)</p> <p>Application service provider (ASP), namely, hosting computer software applications of others; automation services, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of environmental control systems for homes, buildings or structures; automation services for security purposes, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of building access and security systems; computer hardware and software consulting services in the field of telecommunications; computer hardware and software design the field of telecommunications; computer network configuration services; computer network design for others; computer network management, namely, monitoring of network systems for technical purposes, computer security consultancy; computer security service, namely, restricting access to and by computer networks to and of undesired web sites, media and individuals and facilities; computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; computer security threat analysis for protecting data; computer services, namely, cloud hosting provider services; computer services, namely, filtering of unwanted e-mails; computer services, namely, monitoring, testing, analyzing, and reporting on the internet traffic control and content control of the web sites of others; computer services, namely, optimizing cloud computing networks in the nature of remote and on-site infrastructure management and monitoring of cloud computing IT and application systems; computer services, namely, providing a web-based system and online portal for customers to remotely manage, administer, modify and control their end user computer devices, data and software applications; computer services, namely, virus protection, data backup and recovery services; computer software installation services in the field of telecommunications; computer systems integration services; consulting in the field of configuration management for computer hardware and software; consulting in the field of telecommunications technology; consulting services in the field of information technology and cloud computing; data security consultancy; design, creation, hosting, maintenance of websites for others; design of computer networks for others; design of telecommunication systems for others; electronic storage services for archiving databases, images</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>and other electronic data; improving, optimizing and accelerating the performance of computing and networking applications, data storage, and communications protocols used in cloud computing networks, namely, updating and maintaining cloud-based computer software and programs; Internet security consultancy; installation and maintenance of Internet access software; installation of computer software; integration of computer systems and networks; managing and optimizing the WAN, VPN, and VPLS of others; onsite telecommunications project management in the nature of network analysis and LAN/WAN design; professional computer services, namely, network analysis, LAN/WAN design, wireless engineering, virtualization and computer project management; providing virtual computer systems and virtual computer environments through cloud computing; remote computer backup services; technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of internet technology and services; technical support services, namely, managing the performance of computing and networking applications, servers, data storage, and communications protocols used in cloud computing networks; technical support services, namely, migration of data servers and database applications; technical support, namely, monitoring of network systems; technical support services, namely, troubleshooting in the nature of diagnosing computer hardware and software problems; telecommunications engineering consultancy; updating and maintaining computer software through patches; virtual server colocation services, namely, monitoring and managing hosted server infrastructure for others; audio, text and video broadcasting services over computer or other communication networks, including uploading, posting, displaying and electronically transmitting data, information, audio and video images; providing access to multimedia content online; provision of access to electronic sites featuring content, websites and portals; Information, advisory and consultancy services relating to all the aforesaid; computer software design, computer programming, or maintenance of computer software; technological advice relating to computers, automobiles and industrial machines; providing computer programs on data networks; designing of machines, apparatus, instruments [including their parts] or systems composed of such machines, apparatus and instruments</p>	
Turkey	LUMEN		<p>(Int'l Class: 9) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; automatic switching apparatus for telecommunication; broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; computer hardware and recorded software for setting up</p>	SN: 2020/05953

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>and configuring local area networks sold as a unit; computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; computer hardware for telecommunications; computer networking hardware; computer software for internet access, streaming media and content delivery; computer software for location-based transmission of information; geolocation software; LAN (local area network) access points for connecting network computer users; mobile device software for use in teleconferencing and video conferencing; network access server hardware; telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; wireless adapters used to link computers to a telecommunications network; computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the Internet and other communications networks.</p> <p>(Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments; installation, maintenance and repair of telecommunications hardware and fiber optic networks; integration, testing and support of wireless networks; maintenance of alarm systems; repair and maintenance of telecommunication machines and apparatus.</p> <p>(Int'l Class: 38) Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; digital broadcasting of television programs and movies via a global computer network; electronic streaming and transmission of audio and video messages and images on the internet or an intranet; electronic transmission of messages and data; information about telecommunication; interactive television broadcasting services; internet protocol television (IPTV) broadcasting services; IP telecommunications services; location-based transmission of information; personal communications services; providing a high speed access to area networks and a global</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>computer information network; providing access to internet protocol television (IPTV); providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); providing facilities and equipment for telecommunication access services; providing facilities and equipment for video conferencing and telepresence conferencing; providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud computing providers; content delivery networking services, namely, delivering content on behalf of others; providing voice communication services via the internet; rental (lease) of equipment for telecommunications; session initiation protocol (SIP) trunking services; telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication;</p> <p>telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; telecommunications consultation; telecommunications gateway services; telecommunications services, namely, ISDN services; telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; teleconferencing and video conferencing services; telephone calling card services; telephony communication services; television transmission services and satellite transmission services; time division multiplexing (TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; voice over IP services; communications services, namely Local Area Networking (LAN) services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services.</p> <p>(Int'l Class: 42) Application service provider (ASP), namely, hosting computer software applications of others; automation services, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of environmental control systems for homes, buildings or structures; automation services for security purposes, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of building access and security systems; computer hardware and software consulting services in the field of telecommunications; computer hardware and software design the field of telecommunications; computer network configuration services; computer network design for others; computer network management, namely, monitoring of network systems for technical purposes; computer security consultancy; computer security service, namely,</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>restricting access to and by computer networks to and of undesired web sites, media and individuals and facilities; computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; computer security threat analysis for protecting data; computer services, namely, cloud hosting provider services; computer services, namely, filtering of unwanted e-mails; computer services, namely, monitoring, testing, analyzing, and reporting on the internet traffic control and content control of the web sites of others; computer services, namely, optimizing cloud computing networks in the nature of remote and on-site infrastructure management and monitoring of cloud computing it and application systems; computer services, namely, providing a web-based system and online portal for customers to remotely manage, administer, modify and control their end user computer devices, data and software applications; computer services, namely, virus protection, data backup and recovery services; computer software installation services in the field of telecommunications; computer systems integration services; consulting in the field of configuration management for computer hardware and software; consulting in the field of telecommunications technology; consulting services in the field of information technology and cloud computing; data security consultancy; design, creation, hosting, maintenance of websites for others; design of computer networks for others; design of telecommunication systems for others; electronic storage services for archiving databases, images and other electronic data; improving, optimizing and accelerating the performance of computing and networking applications, data storage, and communications protocols used in cloud computing networks, namely, updating and maintaining cloud-based computer software and programs; internet security consultancy; installation and maintenance of internet access software; installation of computer software; integration of computer systems and networks; managing and optimizing the WAN, VPN, and VPLS of others; onsite telecommunications project management in the nature of network analysis and LAN/WAN design; professional computer services, namely, network analysis, LAN/WAN design, wireless engineering, virtualization and computer project management; providing virtual computer systems and virtual computer environments through cloud computing; remote computer backup services; technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of internet technology and services; technical support services, namely, managing the performance of computing and networking applications, servers, data storage, and communications protocols used in cloud computing networks; technical support services,</p>	

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>namely, migration of data servers and database applications; technical support, namely, monitoring of network systems; technical support services, namely, troubleshooting in the nature of diagnosing computer hardware and software problems; telecommunications engineering consultancy; television broadcasting services; updating and maintaining computer software through patches; virtual server colocation services, namely, monitoring and managing hosted server infrastructure for others; audio, text and video broadcasting services over computer or other communication networks, including uploading, posting, displaying and electronically transmitting data, information, audio and video images; providing access to multimedia content online; provision of access to electronic sites featuring content, websites and portals; information, advisory and consultancy services relating to all the aforesaid</p>	
South Africa	LUMEN		<p>(Int'l Class: 9) Apparatus and computer software for the recording, transmission and reproduction of sound, images or data; automatic switching apparatus for telecommunication; broadband wireless equipment, namely, telecommunications base station equipment for cellular and fixed networking and communications applications; computer hardware and recorded software for setting up and configuring local area networks sold as a unit; computer hardware and recorded software for setting up and configuring wide area networks sold as a unit; computer hardware for telecommunications; computer networking hardware; computer software for internet access, streaming media and content delivery; computer software for location-based transmission of information; geolocation software; LAN (local area network) access points for connecting network computer users; mobile device software for use in teleconferencing and video conferencing; network access server hardware; telecommunications and data networking hardware, namely, devices for transporting and aggregating voice, data, and video communications across multiple network infrastructures and communications protocols; wireless adapters used to link computers to a telecommunications network; computer software to enable uploading, downloading, accessing, posting, displaying, streaming, linking, sharing or otherwise providing electronic media or information via computer and communication networks; software and software applications to enable transmission, access, organization, and management of text messaging, instant messaging, web links, locations and images via the internet and other communications networks.</p>	2020/01885
South Africa	LUMEN		<p>(Int'l Class: 37) Advisory services relating to the installation of wireless networks and computer equipment; consulting in the field of installation, maintenance and repair of telecommunications network hardware, apparatus, and instruments;</p>	2020/01886

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>installation, maintenance and repair of telecommunications hardware and fiber optic networks; integration, testing and support of wireless networks; maintenance of alarm systems; repair and maintenance of telecommunication machines and apparatus.</p>	
South Africa	LUMEN		<p>(Int'l Class: 38) Communications services, namely, providing network access points through which information on the global computer information network passes from one global computer information network service provider to another; communications services, namely, the transmission of audio and video signals by telecommunications networks, wireless communication networks, the Internet, information services networks and data networks; digital broadcasting of television programs and movies via a global computer network; electronic streaming and transmission of audio and video messages and images on the internet or an intranet; electronic transmission of messages and data; information about telecommunication; interactive television broadcasting services; internet protocol television (IPTV) broadcasting services; IP telecommunications services; location-based transmission of information; personal communications services; providing a high speed access to area networks and a global computer information network; providing access to internet protocol television (IPTV); providing computer network access services to others by means of Ethernet services, managed router services and virtual private networks (VPN); providing facilities and equipment for telecommunication access services; providing facilities and equipment for video conferencing and telepresence conferencing; providing facilities, equipment and voice, data, graphics, images, audio and video transport-based communication services for use by cloud computing providers; content delivery networking services, namely, delivering content on behalf of others; providing voice communication services via the internet; rental (lease) of equipment for telecommunications; session initiation protocol (SIP) trunking services; telecommunication services, namely, cloud-based telephone, telephone voice and electronic messaging, teleconferencing and video conferencing, and mobile telephone communication; telecommunication services, namely, private branch exchange (PBX) dialing services and private branch exchange (PBX) wireless services; telecommunications consultation; telecommunications gateway services; telecommunications services, namely, ISDN services; telecommunications services, namely, video and data transmissions provided through the use of internet protocol television (IPTV) distribution facilities; teleconferencing and video conferencing services; telephone calling card services; telephony communication services; television transmission services and satellite transmission services; time division multiplexing</p>	2020/01867

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			(TDM) services, namely, providing for the transmission of multiple digitized data, voice, and video signals using broadband networks; voice over IP services; communications services, namely Local Area Networking (LAN) services, Wide Area Networking (WAN) services, wavelength services and Ethernet networking services.	
South Africa	LUMEN		(Int'l Class: 42) Application service provider (ASP), namely, hosting computer software applications of others; automation services, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of environmental control systems for homes, buildings or structures; automation services for security purposes, namely, automation through wireless telephonic, electric or web monitoring technologies that allow for remote or automated control of building access and security systems; computer hardware and software consulting services in the field of telecommunications; computer hardware and software design the field of telecommunications; computer network configuration services; computer network design for others; computer network management, namely, monitoring of network systems for technical purposes; computer security consultancy; computer security service, namely, restricting access to and by computer networks to and of undesired web sites, media and individuals and facilities; computer security services, namely, enforcing, restricting and controlling access privileges of users of computing resources for cloud, mobile or network resources based on assigned credentials; computer security threat analysis for protecting data; computer services, namely, cloud hosting provider services; computer services, namely, filtering of unwanted e-mails; computer services, namely, monitoring, testing, analyzing, and reporting on the internet traffic control and content control of the web sites of others; computer services, namely, optimizing cloud computing networks in the nature of remote and on-site infrastructure management and monitoring of cloud computing it and application systems; computer services, namely, providing a web-based system and online portal for customers to remotely manage, administer, modify and control their end user computer devices, data and software applications; computer services, namely, virus protection, data backup and recovery services; computer software installation services in the field of telecommunications; computer systems integration services; consulting in the field of configuration management for computer hardware and software; consulting in the field of telecommunications technology; consulting services in the field of information technology and cloud computing; data security consultancy; design, creation, hosting, maintenance of websites for others; design of computer networks for others; design of	2020/01888

TM Record	Mark/Name	Status/Key Dates	Full Goods/Services	App. No./Reg. No.
			<p>telecommunication systems for others; electronic storage services for archiving databases, images and other electronic data; improving, optimizing and accelerating the performance of computing and networking applications, data storage, and communications protocols used in cloud computing networks, namely, updating and maintaining cloud-based computer software and programs; internet security consultancy; installation and maintenance of internet access software; installation of computer software; integration of computer systems and networks; managing and optimizing the WAN, VPN, and VPLS of others; onsite telecommunications project management in the nature of network analysis and LAN/WAN design; professional computer services, namely, network analysis, LAN/WAN design, wireless engineering, virtualization and computer project management; providing virtual computer systems and virtual computer environments through cloud computing; remote computer backup services; technical consulting services in the fields of datacenter architecture, public and private cloud computing solutions, and evaluation and implementation of internet technology and services; technical support services, namely, managing the performance of computing and networking applications, servers, data storage, and communications protocols used in cloud computing networks; technical support services, namely, migration of data servers and database applications; technical support, namely, monitoring of network systems; technical support services, namely, troubleshooting in the nature of diagnosing computer hardware and software problems; telecommunications engineering consultancy; television broadcasting services; updating and maintaining computer software through patches; virtual server colocation services, namely, monitoring and managing hosted server infrastructure for others; audio, text and video broadcasting services over computer or other communication networks, including uploading, posting, displaying and electronically transmitting data, information, audio and video images; providing access to multimedia content online; provision of access to electronic sites featuring content, websites and portals; information, advisory and consultancy services relating to all the aforesaid</p>	