

**UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF TEXAS
WACO DIVISION**

HANGER SOLUTIONS, LLC,
Plaintiff,

v.

CHARTER COMMUNICATIONS, INC.,
SPECTRUM MOBILE, LLC, SPECTRUM
MOBILE EQUIPMENT, LLC, AND
SPECTRUM GULF COAST, LLC
Defendants.

CIVIL ACTION NO. 6:22-cv-00070-ADA
JURY TRIAL DEMANDED

FIRST AMENDED COMPLAINT

Plaintiff HANGER SOLUTIONS, LLC (hereinafter, “Plaintiff” or “Hanger”), by and through its undersigned counsel, files this First Amended Complaint for Patent Infringement against Defendants CHARTER COMMUNICATIONS, INC., SPECTRUM MOBILE, LLC, SPECTRUM MOBILE EQUIPMENT, LLC, AND SPECTRUM GULF COAST, LLC (hereinafter, collectively “Defendants” or “Charter”) alleging, based on its own knowledge as to itself and its own actions, and based on information and belief as to all other matters, as follows:

NATURE OF THE ACTION

1. This is a patent infringement action to stop Defendants’ infringement of the following United States Patents (collectively, the “Patents-in-Suit”), copies of which are attached hereto as **Exhibit A**, **Exhibit B**, and **Exhibit C**, respectively:

	U.S. Patent No.	Title
A.	6,430,623 (“623 Patent”)	Domain Name Routing
B.	6,609,159 (“159 Patent”)	Methods, Systems, And Machine Readable Programming For Interposing Front End Servers Between Servers And Clients
C.	6,772,227 (“227 Patent”)	Communicating Between Address Spaces

2. Plaintiff seeks injunctive relief and monetary damages.

PARTIES

3. Hanger is a limited liability company organized and existing under the laws of the State of Georgia and maintains its principal place of business at 44 Milton Avenue, Suite 254, Alpharetta, Georgia, 30009 (Fulton County).

4. Based upon public information, Charter Communications, Inc. (“Charter Communications”) is a corporation duly organized and existing under the laws of the state of Delaware since at least July 9, 2003, and possibly as early as September 20, 1988, or even May 4, 1970.

5. Based upon public information, Charter Communications, Inc. has its principal place of business located at 400 Atlantic Street, Stamford, Connecticut, 06901 (Fairfield County).

6. Based upon public information, Spectrum Mobile, LLC (“Spectrum Mobile”) is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

7. Based upon public information, Spectrum Mobile Equipment, LLC (“Spectrum Mobile Equipment”) is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

8. Based upon public information, Spectrum Gulf Coast, LLC (“Spectrum Gulf Coast”) is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

9. Defendants may be served through their registered agent, Corporation Service Company d/b/a CSC- Lawyers Incorporating Service Company, 211 E. 7th Street, Suite 620, Austin, Texas 78701.

JURISDICTION AND VENUE

10. Hanger repeats and re-alleges the allegations in Paragraphs above as though fully set forth in their entirety.

11. This action arises under the Patent Laws of the United States, 35 U.S.C. § 1 *et seq.*, including 35 U.S.C. §§ 271, 281, 283, 284, and 285. This Court has subject matter jurisdiction over this case for patent infringement under 28 U.S.C. §§ 1331 and 1338(a).

12. Spectrum Management Holding Company, LLC (“Spectrum Management”) is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

13. Charter Communications Holdings Company, LLC (“Charter Holdco”) is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

14. Charter Communications Operating, LLC (“Charter Operating”) is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

15. Charter Communications, LLC (“Charter LLC”), is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

16. Time Warner Cable, LLC (“TWC”), is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

17. Time Warner Cable Enterprises, LLC. (“TWCE”), is a subsidiary of Charter Communications, Inc., and a Delaware limited liability company.

18. The term “Agents” shall mean Spectrum Mobile, Spectrum Mobile Equipment, Spectrum Gulf Coast, Spectrum Management, Charter Holdco, Charter Operating, Charter LLC, TWC, and TWCE, collectively.

19. Charter Communications has complete and total control over the Agents. Charter Communications does not maintain corporate formalities with respect to the Agents.

20. Charter Communications has contracted with the Agents and Charter Communications the right to direct and control the Agents actions relevant to this operative complaint.

21. Charter Communications has consented and assented to the Agents acting on its behalf; and the Agents have consented to act on behalf of Charter Communications; Charter Communications and the Agents act as a single entity in the acts of infringement alleged herein.

22. The Court has personal jurisdiction over Charter because: Defendants have minimum contacts within the State of Texas and in this District; Defendants have purposefully availed themselves of the privileges of conducting business in the State of Texas and in this District; Defendants have sought protection and benefit from the laws of the State of Texas; Defendants have established offices in the State of Texas and is registered to do business the State of Texas; Defendants regularly conduct business within the State of Texas and within this District; and Plaintiff's causes of action arise directly from Defendants' business contacts and other activities in the State of Texas and in this District.

23. Charter Communications, directly and/or through its Agents and intermediaries, ships, distributes, makes, uses, imports, offers for sale, sells, and/or advertises its products and services in the United States, the State of Texas, and in this District.

24. Based upon public information, Charter Communications solicits customers in the State of Texas and in this District and has many paying customers who are residents of the State of Texas and this District and who use its products in the State of Texas and in this District.

25. Charter Communications, directly and/or through its Agents and intermediaries, has regular and established places of business throughout this District where it operates, sells, services, develops, designs, and/or markets and has operated, sold, serviced, developed, designed, and/or marketed during the relevant period of infringement, one or more of its infringing products at several facilities in this District, including at its facilities located at 215 Factory Dr., Waco, Texas 76710; 2720 West Loop 340, Waco, Texas 76711; 201 East Central Texas Expressway,

Suite 645, Harker Heights, Texas 76548; 3034 S. 31st St., Temple, Texas 76502; 1325 George Dieter, Suites CE02 & CE03, El Paso, Texas 79936; 6510 North Mesa, El Paso, Texas 79912; 7010 Airport Rd., El Paso, Texas 79906; 3151 SE Military Dr., Suite 101, San Antonio, Texas 78223; 6301 NW Loop 410, San Antonio, Texas 78238; 11745 IH 10 West, Suite 410, San Antonio, Texas 78230; 1109 E 5th Street, Block 3, Austin, TX 78702; 1000 East 41st Street, Suite 920, Austin, Texas 78751; 11920 Alterra Parkway, Suite 134, Austin, Texas 78758.

26. Upon information and belief, Charter Communications, directly and/or through its Agents and intermediaries, also maintains regular and established places of business in this District, including by maintaining and operating communications networks in this District, including on cellular towers and other installation sites leased by Charter and/or its Agents. Also, Charter Communications is engaged in activities including: transacting business in this district and purposefully directing its business activities, including the installation, maintenance, and use of infringing products and other related technologies in this District, and the sale or offer for sale of services and goods to this District to aid, abet, or contribute to the infringement of third parties in this District.

27. Venue is proper in this district under 28 U.S.C. §§ 1391(b)-(d) and 1400(b) because Charter, directly and/or through its Agents and intermediaries, has a number of regular and established places of business in Texas and this District, and the allegations of infringement involve actions within Texas and this District. *See In re: Cray Inc.*, 871 F.3d 1355, 1362-1363 (Fed. Cir. 2017). Charter is also registered to do business in the State of Texas, has offices in the State of Texas, has transacted business in the Western District of Texas, and has committed acts of direct and indirect infringement in the Western District of Texas.

BACKGROUND INFORMATION

28. The Patents-in-Suit were duly and legally issued by the United States Patent and

Trademark Office (hereinafter, the “USPTO”) after full and fair examinations.

29. Plaintiff is the owner of the Patents-in-Suit, and possesses all right, title and interest in the Patents-in-Suit including the right to enforce the Patents-in-Suit, the right to license the Patents-in-Suit, and the right to sue Defendants for infringement and recover past damages.

30. Plaintiff has at all times complied with the marking provisions of 35 U.S.C. § 287 with respect to the Patents-in-Suit.

31. Plaintiff does not sell, offer to sell, make, or use any products itself, so it does not have any obligation to mark any of its own products under 35 U.S.C. § 287.

DEFENDANTS’ PRODUCTS AND SERVICES

32. Based upon public information, Charter owns, operates, advertises, and/or controls the websites www.charter.com, www.charter.net, spectrum.net, and www.spectrum.com through which it advertises, sells, offers to sell, provides and/or educates customers about its products and services, including its Spectrum Web Services and internet and external virtualized network operations and IT infrastructure.

33. Based upon public information, Defendants provide sales information, training and educational information, for their products.

COUNT I: INFRINGEMENT OF U.S. PATENT NO. 6,430,623

34. Plaintiff re-alleges and incorporates by reference each of the paragraphs above.

35. U.S. Patent No. 6,430,623 (hereinafter, the “’623 Patent”), was issued on August 6, 2002 after full and fair examination by the USPTO of Application No. 09/492,565 which was filed on January 27, 2000. *See Ex. A.*

36. Based upon public information, Plaintiff is informed and believes that Defendants have infringed one or more claims of the ’623 Patent, either literally or under the doctrine of equivalents, because the ship, distribute, make, use, import, offer for sale, sell, and/or advertise its

“Spectrum Web Services” which provide a method of private network communication between entities on at least www.spectrum.net.

37. Based upon public information, the Spectrum Web Services have infringed one or more claims of the '623 Patent, including Claim 1, because, through its Spectrum Web Services because it provides a method for communicating with entities (domains on various web servers) in a private network (LAN/VPN/DMZ/firewalled/etc.) that initiates communications (from outside the private network via external device) with a first entity (domain) using a unique identifier (URL, not an IP address) that is used below the application layer (transport layer), and where that first entity (domain) is in the private network (*e.g.*, private subnet), is an addressable physical entity (web server) that does not have a globally unique address (*e.g.*, using DMZ) and can communicate messages (packets) toward said first entity (domain) that reach said first entity via an intermediate entity (router) that has a first global address (IP address).

38. Defendants' aforesaid activities have been without authority and/or license from Plaintiff.

39. Plaintiff is entitled to recover from Defendants the damages sustained by Plaintiff as a result of Defendants' wrongful acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

COUNT II: INFRINGEMENT OF U.S. PATENT NO. 6,609,159

40. Plaintiff re-alleges and incorporates by reference each of the paragraphs above.

41. U.S. Patent No. 6,609,159 (hereinafter, the “'159 Patent”), was issued on August 19, 2003 after full and fair examination by the USPTO of Application No. 09/201,303 which was filed on November 30, 1998. *See Ex. B.*

42. Based upon public information, Plaintiff is informed and believes that Defendants

have infringed one or more claims of the '159 Patent, either literally or under the doctrine of equivalents, because it ships distributes, makes, uses, imports, offers for sale, sells, and/or advertises its internal and external products using VMWare to virtualize its network operations and IT infrastructure (“Spectrum Virtualized Environments”).

43. Upon information and belief, the Spectrum Virtualized Environments meet each and every element of at least Claim 6 of the '159 Patent, either literally or equivalently.

44. Based upon public information, the Spectrum Virtualized Environments have infringed one or more claims of the '159 Patent, including Claim 6, because it provides a method for running an interposed dynamically-loaded library (virtual switches) linked to a back end server (server with VMWare) in a given operating system space (VM Kernel); running a front end server program (Guest OS Virtual Machine) loaded in the given operating system space (VM Kernel); using the library to respond to standard operating system calls by the back end server, including using the library to respond to an operating system call by the back end server to accept a connection from a remote client (guest user on a back end server) by communicating the call and its parameters to the front end server (Guest OS Virtual Machine) over a first pipe; using the front end server to accept a connection from a remote client; using the front end server to communicate a socket associated with the client connection to the library (via system socket activation); and using the library to return program flow from the library's execution of the accept call back to the back end server with information specifying the socket received from the front end server in the same format in which the operating system returns socket information in response to an accept call.

45. Defendants' aforesaid activities have been without authority and/or license from Plaintiff.

46. Plaintiff is entitled to recover from Defendants the damages sustained by Plaintiff as a result of Defendants' wrongful acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

COUNT III: INFRINGEMENT OF U.S. PATENT NO. 6,772,227

47. Plaintiff re-alleges and incorporates by reference each of the paragraphs above.

48. U.S. Patent No. 6,772,227 (hereinafter, the "'227 Patent"), was issued on August 3, 2004 after full and fair examination by the USPTO of Application No. 10/147,442 which was filed on May 16, 2002. *See Ex. C.* A Certificate of Correction was issued on June 5, 2007. *See id.*

49. Based upon public information, Plaintiff is informed and believes that Defendants have infringed one or more claims of the '227 Patent, either literally or under the doctrine of equivalents, because it ships distributes, makes, uses, imports, offers for sale, sells, and/or advertises its "Spectrum Web Services" which provide a method communicating messages between entities in different address spaces on at least www.spectrum.net.

50. Based upon public information, Spectrum Web Services have infringed one or more claims of the '227 Patent, including Claim 1, because it provides a receiving a message (packet) from a first entity in a first address space (*e.g.*, 10.0.0.3), said message includes a destination network address and an identification of a second entity (www.spectrum.net) in a second address space (53.71.37.188), said second entity does not have a routable address in said first address space (*e.g.*, using DMZ); determining a destination address in said second address space for said message based on said identification; and sending said message to a destination using said destination address (*e.g.*, using SNI routing) in said second address space (*e.g.*, DMZ).

51. Defendants' aforesaid activities have been without authority and/or license from

Plaintiff.

52. Plaintiff is entitled to recover from Defendants the damages sustained by Plaintiff as a result of Defendants' wrongful acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

JURY DEMAND

53. Plaintiff demands a trial by jury on all issues.

PRAYER FOR RELIEF

54. Plaintiff respectfully requests the following relief:

- A. An adjudication that one or more claims of the Patents-in-Suit has been infringed, either literally and/or under the doctrine of equivalents, by Defendants;
- B. An award of damages to be paid by Hanger adequate to compensate Plaintiff for Defendants' past infringement, including interest, costs, and disbursements as justified under 35 U.S.C. § 284 and, if necessary to adequately compensate Plaintiff for Defendants' infringement, an accounting of all infringing sales including, but not limited to, those sales not presented at trial;
- C. That this Court declare this to be an exceptional case and award Plaintiff its reasonable attorneys' fees and costs in accordance with 35 U.S.C. § 285; and,
- D. Any further relief that this Court deems just and proper.

Dated: April 4, 2022

Respectfully submitted,

/s/ James F. McDonough, III

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ATTORNEYS FOR PLAINTIFF *Hanger Solutions, LLC*

* admitted to the Western District of Texas

** admission *pro hac vice* to the Western District of Texas anticipated

List Of Exhibits

A. U.S. Patent No. 6,430,623

B. U.S. Patent No. 6,609,159

C. U.S. Patent No. 6, 772,227

CERTIFICATE OF SERVICE

I HEREBY CERTIFY on this 4th day of April, 2022, I caused to be electronically-filed the foregoing document with the Clerk of Court using the Court's CM/ECF system. As such, this document was served on all counsel who are deemed to have consented to electronic service.

/s/ James F. McDonough, III
James F. McDonough, III