

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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THE DATA COMPANY TECHNOLOGIES INC.,  
Petitioner,

v.

BRIGHT DATA LTD.,  
Patent Owner.

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Case No. TBD  
Patent No. 10,257,319

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DECLARATION OF ADAM R. WICHMAN IN SUPPORT OF  
THE DATA COMPANY TECHNOLOGIES INC. PETITION FOR  
INTER PARTES REVIEW OF U.S. PATENT NO. 10,257,319

I, Adam R. Wichman, declare as follows:

1. I am an attorney with Wolf, Greenfield & Sacks, P.C. (“WGS”), admitted to practice before all courts in the Commonwealth of Massachusetts and registered to practice before the U.S. Patent and Trademark Office. I am more than 21 years old.

2. I make these statements in support of The Data Company Technologies Inc. petition for *inter partes* review of U.S. Patent No. 10,257,319. I have personal knowledge of the matters set forth herein, and if called upon I would testify as follows.

3. The following exhibits, filed with this declaration and the above-mentioned petition, are true and accurate copies of the following documents:

- a. Exhibit 1026: Pages from W. Richard Stevens, *TCP/IP Illustrated, Volume 1: The Protocols*. Canada: Addison-Wesley, 1994, chs. 1 & 18, bibliography (“Stevens”), made from a physical volume of Stevens at WGS.
- b. Exhibit 1033: Pages from L.L. Peterson, B.S. Davie, *Computer Networks: A Systems Approach*, 4th ed. San Francisco, CA: Elsevier, 2007, chs. 1-2 (“Peterson”), made from a physical volume of Peterson at WGS.

4. Upon information and belief the following exhibits, filed with this declaration and the above-mentioned petition, are true and accurate copies of the following documents as retrieved from the indicated websites:

- a. Exhibit 1044: A. Rowstron and P. Druschel, “Pastry: Scalable, Decentralized Object Location, and Routing for Large-Scale Peer-to-Peer Systems.” *IFIP/ACM International Conference on Distributed Systems Platforms and Open Distributed Processing: Middleware 2001*, pp. 329-350 (2001), available at [https://link.springer.com/chapter/10.1007/3-540-45518-3\\_18](https://link.springer.com/chapter/10.1007/3-540-45518-3_18).
- b. Exhibit 1045: S. Ratnasamy, M. Handley, R. Karp and S. Shenker, "Topologically-aware overlay construction and server selection." *Proceedings Twenty-First Annual Joint Conference of the IEEE Computer and Communications Societies*, vol. 3, pp. 1190-1199 (2002), available at <https://ieeexplore.ieee.org/document/1019369>.
- c. Exhibit 1046: V. N. Padmanabhan and L. Subramanian, “An Investigation of Geographic Mapping Techniques for Internet Hosts.” *ACM SIGCOMM Computer Communication Review*, vol. 3, No. 4, pp. 173–185 (2001), available at <https://doi.org/10.1145/964723.383073>.

- d. Exhibit 1047: M.J. Freedman, K. Lakshminarayanan, and D. Mazières, “OASIS: Anycast for Any Service.” *Proceedings of the 3<sup>rd</sup> Conference on Networked Systems Design & Implementation*, vol. 3, pp. 129-142 (2006), available at [https://www.usenix.org/legacy/events/nsdi06/tech/full\\_papers/freedman/freedman.pdf](https://www.usenix.org/legacy/events/nsdi06/tech/full_papers/freedman/freedman.pdf).
- e. Exhibit 1048: S. Agarwal and J.R. Lorch, “Matchmaking for Online Games and Other Latency-Sensitive P2P Systems.” *ACM SIGCOMM Computer Communication Review*, vol. 39, No. 4, pp. 315-326 (2009), available at <https://dl.acm.org/doi/10.1145/1594977.1592605> (published August 16, 2009).
- f. Exhibit 1050: H. Casanova, “Benefits and Drawbacks of Redundant Batch Requests.” *Journal of Grid Computing*, vol. 5, pp. 235–250 (2007), available at <https://doi.org/10.1007/s10723-007-9068-6>.
- g. Exhibit 1055: S. J. Murdoch, “New Tor distribution for testing: Tor Browser Bundle,” January 30, 2008 post to *tor-talk mailing list*, available at <https://lists.torproject.org/pipermail/tor-talk/2008-January/007837.html>.
5. Exhibit 1011 filed with this declaration and the above-mentioned petition is a declaration from Sandy Ginoza that includes nine exhibits. The

following exhibits filed herewith are true and accurate copies of the Ginoza Declaration exhibits. These were each saved from Exhibit 1011 and are presented separately as indicated for convenience and ease of reference.

- a. Ex. 1012, Ginoza Decl. Exh. 1, RFC 793: Transmission Control Protocol - DARPA Internet Program Protocol Specification, Information Sciences Institute (September 1981) (“RFC 793”).
- b. Ex. 1013, Ginoza Decl. Exh. 2, RFC 1001: Protocol Standard for a NetBIOS Service on a TCP/UDP Transport: Concepts and Methods, NetBIOS Working Group (March 1987) (“RFC 1001”).
- c. Ex. 1014, Ginoza Decl. Exh. 3, RFC 1122: Requirements for Internet Hosts -- Communication Layers, Internet Engineering Task Force (October 1989) (“RFC 1122”).
- d. Ex. 1015, Ginoza Decl. Exh. 4, RFC 1630: Universal Resource Identifiers in WWW - A Unifying Syntax for the Expression of Names and Addresses of Objects on the Network as used in the World-Wide Web, Network Working Group (June 1994) (“RFC 1630”).
- e. Ex. 1016, Ginoza Decl. Exh. 5, RFC 1738: Uniform Resource Locators (URL), Network Working Group (December 1994) (“RFC 1738”).

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