

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

QUALCOMM INCORPORATED

Petitioner

v.

NETWORK SYSTEM TECHNOLOGIES, LLC

Patent Owner

Patent No. 7,594,052

Inter Partes Review No. IPR2024-00343

DECLARATION OF ANGELO J. CHRISTOPHER

I, Angelo J. Christopher, hereby declare as follows:

1. I am an attorney at Nixon Peabody LLP, attorneys for Network System Technologies, LLC (“Patent Owner”) in the above-captioned *inter partes* review.

2. Submitted with Patent Owner’s Response as Exhibit 2061 is a true and correct copy of the Curriculum Vitae (CV) of Dr. Nikil Dutt, dated December 23, 2022 (see footer), downloaded from the following URL: <https://bpb-us-e2.wpmucdn.com/sites.uci.edu/dist/e/1492/files/2023/01/Dutt.Nikil-CV.pdf>.

3. Submitted with Patent Owner’s Response as Exhibit 2062 is a true and correct copy of the webpage available from the following URL: <https://past.date-conference.com/proceedings-archive/MAIN.HTM>.

4. Submitted with Patent Owner’s Response as Exhibit 2063 is a true and correct copy of “Software and Hardware Implementation of Lattice-based Cryptography Schemes,” dated November 9, 2017, downloaded from the following URL: <https://www.cecs.uci.edu/files/2018/06/2017-tr-1.pdf>.

5. Submitted with Patent Owner’s Response as Exhibit 2064 is a true and correct copy of the IEEE Xplore webpage for “An efficient on-chip network interface offering guaranteed services, shared-memory abstraction, and flexible network configuration,” authored by A. Radulescu et al., available from the following URL: <https://ieeexplore.ieee.org/document/1268998/metrics#metrics>.

6. Submitted with Patent Owner's Response as Exhibit 2065 is a true and correct copy of "Terms & Disclosures for Use of IEEE Websites" available from the following URL: <https://www.ieee.org/about/help/site-terms-conditions.html>.

7. Submitted with Patent Owner's Response as Exhibit 2072 is a true and correct copy of "Multi-Processor System-on-Chip 1 Architectures." Support staff at Nixon Peabody purchased and downloaded this article from the following URL on or around August 12, 2024:

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/9781119818298.ch9>.

8. Submitted with Patent Owner's Response as Exhibit 2073 is a true and correct copy of "NOC: Networks on Chip SoC Interconnection Structures" downloaded from the following URL:

https://www.ecb.torontomu.ca/~courses/coe838/lectures/NoC_SoC-Interconnection_Structures-1.pdf.

9. Submitted with Patent Owner's Response as Exhibit 2075 is a true and correct copy of "Single-Hop vs. Multi-Hop Networks" downloaded from the following URL: <https://resources.pcb.cadence.com/blog/2023-single-hop-vs-multi-hop-networks>.

10. Submitted with Patent Owner's Response as Exhibit 2076 is a true and correct copy of "SoC interconnect architecture considerations" downloaded

from the following URL: <https://www.edn.com/soc-interconnect-architecture-considerations/>.

11. Submitted with Patent Owner's Response as Exhibit 2077 is a true and correct copy of "Intel's Embedded DRAM: New Era of Cache Memory" downloaded from the following URL: <https://www.eetimes.com/intels-embedded-dram-new-era-of-cache-memory/>.

12. Submitted with Patent Owner's Response as Exhibit 2078 is a true and correct copy of "An Efficient On-Chip NI Offering Guaranteed Services, Shared-Memory Abstraction, and Flexible Network Configuration." Support staff at Nixon Peabody downloaded this article from the following URL on or around August 21, 2024: <https://ieeexplore.ieee.org/document/1372657>.

13. Submitted with Patent Owner's Response as Exhibit 2079 is a true and correct copy of the webpage available from the following URL: <http://web.archive.org/web/20180623162310/https://ieeexplore.ieee.org/document/1268998/>.

14. Submitted with Patent Owner's Response as Exhibit 2080 is a true and correct copy of the webpage available from the following URL: http://web.archive.org/web/20180801000000*/https://ieeexplore.ieee.org/document/1268998/.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct to the best of my knowledge.

Dated: September 30, 2024

By: /s/ Angelo J. Christopher

Angelo J. Christopher