

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE, INC.,  
Petitioner

v.

QUALCOMM INCORPORATED.,  
Patent Owner

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Case IPR2018-01249  
Patent 7,693,002

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**PETITIONER APPLE, INC.'S  
REPLY TO PATENT OWNER'S RESPONSE**

**TABLE OF CONTENTS**

I. Introduction .....1

II. Claim construction.....1

    A. Dr. Pedram failed to consider the full scope of the claims when opining on the term “clock signal” .....2

    B. PO’s proposed construction of “clock signal” is narrower than the ’002 patent claims themselves .....3

    C. PO’s proposed construction of “clock signal” is unsupported by the specification of the ’002 patent .....5

    D. PO’s proposed construction of “clock signal” as necessarily being periodic is contradicted by objective evidence .....6

    E. PO’s reliance on the Alpert Declaration is misplaced.....10

    F. If the Board considers it necessary to construe the term “clock signal,” Petitioner proposes “a signal used for synchronization”.....11

III. SATO RENDERS CLAIMS 1-28 AND 31-37 OBVIOUS (GROUND 1) ...12

    A. The petition addresses all the *Graham* factors .....12

    B. Sato does render the “clock signal” recited in the claims as obvious .....13

    C. Even under PO’s narrow construction, Sato renders the “clock signal” obvious.....16

    D. Sato does disclose a “clock output” as recited in the claims.....18

IV. ASANO AND ITOH RENDER CLAIMS 1-17, 20-28, AND 31-36 OBVIOUS (GROUND 2).....20

    A. The combination of Asano and Itoh renders a circuit device with distinct “first logic” and “second logic” obvious.....20

    B. The petition articulates a clear motivation for combining Asano and Itoh .....24

- V. The opinions of Dr. Horst are entitled to considerably more weight than those of Dr. Pedram.....26
  - A. Dr. Pedram’s testimony is tainted by his failure to consider the scope of the ’002 patent claims.....26
  - B. Dr. Pedram’s testimony is tainted by his failure to consider objective evidence contrary to his opinions.....27
  - C. Dr. Pedram’s testimony is based on an inaccurate understanding of the law of obviousness .....27
- VI. Conclusion .....28

**UPDATED EXHIBIT LIST**

|            |   |
|------------|---|
| APPLE-1001 | U.S. Patent No. 7,693,002 to Jentsung Lin (“the ’002 patent”)   |
| APPLE-1002 | Prosecution History of the ’002 patent (“the Prosecution History”)  |
| APPLE-1003 | Declaration of Dr. Robert Horst, Ph.D   |
| APPLE-1004 | Curriculum Vitae of Dr. Horst   |
| APPLE-1005 | U.S. Patent No. 4,951,259 to Yoichi Sato (“Sato”)   |
| APPLE-1006 | U.S. Patent Pub. No. 2006/0098520 to Toru Asano et al. (“Asano”)  |
| APPLE-1007 | Kiyoo Itoh, <i>VLSI Memory Chip Design</i> , (Springer 2001) (“Itoh”)   |
| APPLE-1008 | U.S. Patent No. 5,291,076 to Jeffrey T. Bridges (“Bridges”)   |
| APPLE-1009 | Stephen Brown et al., <i>Fundamentals of Digital Logic with Verilog Design</i> , (McGraw Hill 2003) (“Brown”) |
| APPLE-1010 | Declaration of Edward G. Faeth (Authentication of APPLE-1007 and APPLE-1009)                                  |
| APPLE-1011 | U.S. Patent No. 6,483,771 to Tae-jeen Shin (“Shin”)   |
| APPLE-1012 | U.S. Patent No. 5,602,796 to Kenichiro Sugio (“Sugio”)  |
| APPLE-1013 | Second Declaration of Dr. Robert Horst, Ph.D  |
| APPLE-1014 | IEEE Dictionary (with additional page)  |
| APPLE-1015 | Modern Dictionary of Electronics  |
| APPLE-1016 | U.S. Patent No. 4,922,461 (“Hayakawa”)  |

- APPLE-1017 M. Pedram. "Design technologies for Low Power VLSI," in *Encyclopedia of Computer Science and Technology*, Marcel Dekker, Editors: A Kent, J. G. Williams, and C. M. Hall, vol. 36, 1997, pages 73-95
- APPLE-1018 N. Mohyuddin, K. Patel, and M. Pedram. "Deterministic clock gating to eliminate wasteful activity in out-of-order superscalar processors due to wrong-path instructions," *Proc. of Int'l Conf. on Computer Design*, Oct. 2009, pages 166-172
- APPLE-1019 Pedram Deposition Transcript

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