Paper No. \_\_\_\_\_

## UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC., Petitioner,

v.

PARTHENON UNIFIED MEMORY ARCHITECTURE LLC, Patent Owner

> Case IPR2016-01114 Patent No. 7,777,753

# PETITIONER'S RESPONSE TO PATENT OWNER'S OBSERVATIONS ON THE CROSS-EXAMINATION OF ROBERT COLWELL, PH.D.

This response is submitted in view of the Scheduling Order (Paper 8) and the Trial Practice Guide, 77 Fed. Reg. 48756, 48767–68 (Aug. 14, 2012). This paper responds to Patent Owner's Observations on the Cross-Examination of Robert Colwell, Ph.D. (Paper 39) filed on August 9, 2017, in the present *inter partes* review. Patent Owner presented two observations on the August 2, 2017, deposition testimony of Dr. Colwell (Ex. 2012). Petitioner responds to Patent Owner's observations below.

#### **Response to Observation #1:**

Patent Owner misrepresents the record. Dr. Colwell did not make any changes to his testimony. A careful comparison of Exhibit 1003 (Colwell Declaration), ¶¶ 141-144, and Exhibit 1028 (Colwell Reply Declaration), ¶¶ 9-15, will confirm that there is no change in testimony. Dr. Colwell did not answer in the affirmative that he made any changes to his testimony. *See* Ex. 2012, 39:13-40:5. Moreover, paragraph 25 of Exhibit 1028 does not contradict or contain any changes to testimony.

#### **Response to Observation #2:**

Patent Owner misrepresents the testimony in Exhibit 2012 from page 29, line 5 to page 36, line 6. In particular, Patent Owner misdirects by seeking to apply Dr. Colwell's testimony as to factors considered when "taking some internal function of [a] CPU and *removing it and putting it somewhere else in the system*" (Ex. 2012, 30:13-15 (emphasis added)) to a question never actually posed, namely whether "a POSITA would have understood that the DSP of Bowes is a suitable location for the arbiter." Ex. 1028, ¶ 24. In fact, as Dr. Colwell testified, a POSITA would have considered co-locating an arbiter with a DSP. *See* Ex.1003, ¶¶ 145-147, pp. 107-108; Ex. 1028, ¶¶ 16-24.

Respectfully submitted,

Dated: August 15, 2017

/David W. O'Brien/ David W. O'Brien Lead Counsel for Petitioner Registration No. 40,107

HAYNES AND BOONE, LLP Telephone: 512/867-8457 Facsimile: 214/200-0853

### **CERTIFICATE OF SERVICE**

The undersigned certifies, in accordance with 37 C.F.R. § 42.6(e), that

service was made on Patent Owner as detailed below.

Date of service	August 15, 2017
Manner of service	Electronic Mail to: manjom@azalaw.com; aalavi@azalaw.com; sclark@azalaw.com; mmcbride@azalaw.com; jchen@azalaw.com; gonsalves@gonsalveslawfirm.com
Documents served	Petitioners' Response to Patent Owner's Observations On the Cross-Examination of Robert Colwell, Ph.D.
Persons served	Masood Anjom Amir Alavi Scott Clark Michael McBride Justin Chen Gregory Gonsalves

Dated: August 15, 2017

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Respectfully submitted,

#### /David W. OBrien/

David W. O'Brien Registration No. 40,107