

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

BROADCOM LIMITED,

Petitioner

v.

TESSERA, INC.

Patent Owner.

Case No. IPR2017-00889

U.S. Patent No. 6,841,107

DECLARATION OF C. P. WONG, PH.D. UNDER 37 C.F.R. § 1.68

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1. "A microelectronic assembly comprising:"	19
2. "a microelectronic element having a first surface including a central region and a peripheral region surrounding said central region, said microelectronic element including a plurality of contacts disposed in said central region"	19

3.	“a compliant layer overlying said peripheral region of said first surface, said compliant layer having a bottom surface facing toward said first surface of said microelectronic element, a top surface facing upwardly away from the first surface of said microelectronic element and one or more edge surfaces extending between said top and bottom surfaces of said compliant layer; and”	21
4.	“a plurality of bond ribbons disposed over said compliant layer so that said bond ribbons extend over said top surface and one or more of said edge surfaces and said bond ribbons electrically connect said contacts to conductive terminals overlying the top surface of said compliant layer.” ...	23
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I, C. P. Wong, being over the age of 18 and competent to make the statements herein, hereby declare the following:

I. SCOPE OF THE DECLARATION

1. I have been retained on behalf of Petitioner Broadcom Limited (“Petitioner”) as an expert consultant to analyze and provide my opinions on the validity of U.S. Patent No. 6,847,107 (the “’107 Patent”), and such other topics as addressed in this report.

2. I make this declaration based upon my personal knowledge.

3. The statements herein include my opinions and the bases for those opinions, which relate to the following documents of the pending *inter parties* review petition:

Exhibit 1001: U.S. Patent No. 6,847,107 (“the ’107 Patent”)

Exhibit 1002: File History of U.S. Patent No. 6,847,107

Exhibit 1003: Japanese Patent Publication No. JPH05-144823

(“Yanagihara”) (with English translation and attendant affidavit)

Exhibit 1004: Japanese Patent Publication No. JPS64-1257

(“Harada”) (with English translation and attendant affidavit)

Exhibit 1005: Japanese Patent Publication No. JPH02-272737

(“Inoue”) (with English translation and attendant affidavit)

4. Although I am being compensated for my time at a rate of \$550 per hour in preparing this declaration, the opinions herein are my own, and I have no stake in the outcome of the review proceeding. My compensation does not depend in any way on the outcome of the Petitioner's petition.

5. If called upon to do so, I am prepared to testify as an expert witness in this regard.

6. This declaration is based on information currently available to me. To the extent that additional information becomes available, I reserve the right to continue my investigation and study, which may include a review of documents and information that may be produced, as well as testimony from depositions that have not yet been taken.

II. EXPERT QUALIFICATIONS AND BACKGROUND

7. A detailed Curriculum Vitae that includes my professional qualifications, publications, honors and professional activities is attached with this report as Attachment A.

8. I am a Regents' Professor and the Charles Smithgall Institute-Endowed Chair in the School of Materials Science and Engineering at the Georgia Institute of Technology (GT).

9. I received my BS degree from Purdue University, and my M.S. and Ph.D. degree from the Pennsylvania State University. After my doctoral

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