UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,
Petitioner,

v.

OMNI MEDSCI, INC.,
Patent Owner.

U.S. Patent No. 10,517,484

IPR Case No.: IPR2021-00453

DECLARATION OF DUNCAN L. MACFARLANE, Ph.D., P.E.
IN SUPPORT OF PATENT OWNER'S RESPONSE TO PETITION

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UPDATED LIST OF EXHIBITS

No.	Description
2101-2119	*Reserved*
2120	PCT Application Serial No. PCT/US2013/075767 (Publication No. WO/2014/143276)
2121	U.S. Patent Application Serial No. 14/109,007 (Publication No. 2014/0236021)
2122	*Reserved*
2123	Curriculum Vitae of Duncan L. MacFarlane, Ph.D., P.E.
2124	Board's Institution Decision, IPR2019-000916, Paper 16, October 18, 2019 ("DI")
2125	Board's Final Written Decision, IPR2019-00916, Paper 39, October 14, 2020
2126-2130	*Reserved*
2136	Declaration of Duncan L. MacFarlane, Ph.D., P.E. in Support of Patent Owner's Response to Petition, IPR2020-00175, September 10, 2020
2132	Excerpt of Record of Oral Hearing held March 25, 2021, IPR2020-00175, Paper 25, April 14, 2021
2133	Board's Institution Decision, IPR2020-00175, Paper 11, June 17, 2020
2134	Definitions of IDENTIFY in The Free Dictionary
2135	Definitions of DETECT in The Free Dictionary
2136	Declaration of Duncan L. MacFarlane, Ph.D., P.E. in Support of Patent Owner's Response, November 12, 2021

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I, Duncan L. MacFarlane, declare as follows:

1. I am making this declaration at the request of Patent Owner, Omni MedSci, Inc., in the matter of *Inter Partes* Review of U.S. Patent No. 10,517,484 ("the '484 Patent") to Omni MedSci, Inc.

2. I am being compensated for my work in this matter at a rate of $425/hour. My compensation in no way depends on the outcome of this proceeding.

3. In preparation of this declaration, I have reviewed:

- Apple's petition for *inter partes* review, the challenged patents and claims, the prior art cited in Apple's petition, Dr. Anthony's declaration supporting Apple's petition, the Board's Institution Decision in IPR2021-00453 ("DI"), the other documents cited in these documents, and other documents cited in my analysis below.
- The relevant legal standards, including the standard for obviousness provided in *KSR Intern'l Co. v. Teleflex, Inc.*, 550 U.S. 398 (2007).
- My knowledge and experience based upon my work and study in this area as described below.

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