

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,
Petitioner,

v.

TELEFONAKTIEBOLAGET LM ERICSSON,
Patent Owner

U.S. PATENT NO. 9,509,440

Case IPR2021-TBD

**DECLARATION OF DR. APOSTOLOS K. KAKAES, PH.D.
IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S.
PATENT NO. 9,509,440**

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TABLE OF EXHIBITS TO THE '440 PETITION

Exhibit No.	Description
1001	U.S. Patent No. 9,509,440
1002	Certified File History of U.S. Patent No. 9,509,440 (“the ’904 Application”)
1003	Declaration of Dr. Apostolos Kakaes for <i>Inter Partes</i> Review of U.S. Patent No. 9,509,440
1004	<i>Curriculum Vitae</i> of Dr. Apostolos Kakaes
1005	U.S. Patent No. 9,642,118 (“Lahetkangas”)
1006	U.S. Patent No. 9,648,601 (“Wang”)
1007	Arunabha Ghosh, et. al., <i>Fundamentals of LTE</i> (Pub. 2011) (“Ghosh”)
1008	Stefania Sesia, et. al., <i>LTE - The UMTS Long Term Evolution: From Theory to Practice</i> (2nd ed., 2011) (“Sesia”)
1009	3GPP TS 36.213, <i>Technical Specification Group Radio Access Network, Evolved Universal Terrestrial Radio Access (E-UTRA); Physical Layer Procedures (Release 10)</i> . Version 10.3.0
1010	Declaration of James Mullins in Support of the Public Availability of <i>Fundamentals of LTE</i> , Arunabha Ghosh, et. al., (Pub. 2011); <i>LTE - The UMTS Long Term Evolution: From Theory to Practice</i> , Stefania Sesia, et. al., (2nd ed., 2011); and <i>LTE for UMTS, Evolution to LTE-Advanced</i> , Harri Holma & Antti Toskala (2nd ed., 2011)
1011	International Publication Number WO 2013/123961 A1
1012	International Publication Number WO 2014/029108 A1
1013	Holma, Harri & Toskala, Antti, <i>LTE for UMTS: Evolution to LTE-Advanced, Second Edition</i> , (Pub. 2011) (“Holma”)
1014	[RESERVED]
1015	Erik Dahlman et. al., <i>4G LTE / LTE-Advanced for Mobile Broadband</i> (Pub. 2011) (“Dahlman”)

Exhibit No.	Description
1016	Declaration of Friedhelm Rodermund in Support of the Public Availability of 3GPP TS 36.213 V10.3

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