IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:	Yeong Hyeon Kwon, et al.	
U.S. Patent No.:	8,218,481	Attorney Docket No.: 00035-0010IP1
Issue Date:	July 10, 2012	
Appl. Serial No.:	12/303,947	
Filing Date:	July 7, 2010	
Title:	Method of Transmitting Data in a Mobile Communication System	

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DECLARATION OF JONATHAN WELLS, PH.D.

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I. Introduction

I, Dr. Jonathan Wells, declare as follows:

1. I have been retained on behalf of Petitioner (Apple Inc., Microsoft Corporation, Microsoft Mobile Oy, and Microsoft Mobile Inc. (f/k/a Nokia Inc.) to provide expert opinions in connection with this *inter partes* review. Specifically, I have been asked to provide my opinion relating to an inquiry into the patentability of claims of the U.S. Patent No. 8,218,481 (the "'481 patent").

II. Qualifications

2. I have over 25 years of academic and industry experience in wireless networks (*e.g.*, 2G, 3G and 4G networks, comprising GSM, EDGE, WCDMA, HSDPA and LTE technologies), cellular infrastructure equipment (base stations, backhaul and handsets), and wireless standards, rules and regulations (*e.g.*, 3GPP, FCC, ETSI and CEPT). Over my career, I have worked with companies to develop and deploy radio frequency (RF) hardware for telecommunication infrastructure equipment for worldwide export, to implement marketing and product development strategies for cellular wireless products, and to participate in Federal Communications Commission ("FCC"), European Conference of Postal and Telecommunications Administrations ("CEPT"), European Telecommunications Standards Institute ("ETSI") and other technical body meetings.

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