

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MICROSOFT CORPORATION,
Petitioner,

v.

UNILOC 2017 LLC,
Patent Owner.

IPR2019-00973
U.S. Patent No.: 7,075,917
Issued: Jul. 11, 2006
Application No.: 09/973,312
Filed: Oct. 9, 2001

Title: WIRELESS NETWORK WITH A
DATA EXCHANGE ACCORDING TO THE ARQ METHOD

REPLY DECLARATION OF HARRY V. BIMS

MICROSOFT - EXHIBIT 1032
MICROSOFT CORP. ET AL.
v.
UNILOC 2017 LLC
IPR2019-00973

TABLE OF CONTENTS

	Page(s)
I. INTRODUCTION AND ENGAGEMENT	3
II. BACKGROUND AND QUALIFICATIONS.....	4
III. STANDARDS	4
IV. MATERIALS CONSIDERED AND INFORMATION RELIED UPON REGARDING '917 PATENT	4
V. MEANING OF CERTAIN CLAIM TERMS.....	6
VI. PERSON OF ORDINARY SKILL IN THE ART (“POSITA”).....	6
VII. 3GPP / ETSI PUBLICATIONS FROM 1999-2001.....	7
VIII. MOTIVATION TO USE ABROL ABBREVIATED SEQUENCE NUMBER TEACHINGS IN THE NETWORK OF TR25.835	8
A. Abrol Describes The WCDMA Technology Used In TR25.835.....	8
B. Abrol’s Ability To Handle Varying Channel Capacities Makes It Well-Suited For The TR25.835 Wireless Network	11
C. Abrol’s Teachings On Byte Sequence Numbers Would Not Have Discouraged A POSITA From Using Abrol’s Abbreviated Sequence Numbers When Implementing The TR25.385 Network.....	14
D. Additional Opinions Related To Implementing TR25.835 Using Abrol’s Abbreviated Sequence Numbers.....	21
IX. TR25.835 USES OF THE PHYSICAL LAYER TO TEST CORRECT RECEPTION OF CODED TRANSPORT BLOCKS	24
X. AVAILABILITY FOR CROSS-EXAMINATION	28
A. Right to Supplement.....	28
B. Signature.....	28

I, Harry V. Bims, do hereby declare as follows:

I. INTRODUCTION AND ENGAGEMENT

1. I have been retained by attorneys at Klarquist Sparkman, LLP, to serve as an independent expert on behalf of Microsoft Corporation in connection with the above-captioned *Inter Partes* Review (“IPR”) to provide my analyses and opinions on certain technical issues related to U.S. Patent No. 7,075,917 (hereinafter “the ’917 Patent”).

2. I am being compensated at my usual and customary rate for the time I spent in connection with this IPR. My compensation is not affected by the outcome of this IPR.

3. This Reply Declaration is in addition to the first declaration that I prepared and submitted earlier in IPR proceedings relating to the ’917 patent, signed and dated April 19, 2019 (“First Declaration” or “Bims Declaration”). In the First Declaration I explained why it is my opinion that claims 1-3 and 9-10 (each a “Challenged Claim” and collectively the “Challenged Claims”) of the ’917 Patent would have been obvious to a person having ordinary skill in the art (“POSITA”) as of October 11, 2000. In this Reply Declaration I explain why my opinion remains the same and respond to certain arguments that I understand were raised against my testimony in the First Declaration. In this Reply Declaration I may refer back to and incorporate analysis provided in the First Declaration.

II. BACKGROUND AND QUALIFICATIONS

4. The First Declaration explains my education and professional background in paragraphs 4-11. With this Reply Declaration, I attach an updated version of my CV, as Appendix 1.

III. STANDARDS

5. Paragraphs 12-21 of my First Declaration lay out my understanding of certain patent law standards.

IV. MATERIALS CONSIDERED AND INFORMATION RELIED UPON REGARDING '917 PATENT

6. In preparing my First Declaration, I reviewed the following materials, each of which is the sort of material that experts in my field would reasonably rely upon when forming their opinions. I also considered other background materials that are referenced in that declaration.

Ex. No.	Description
1001	U.S. Patent No. 7,075,917 (“the ’917 Patent”)
1002	File History of U.S. Patent No. 7,075,917
1005	3G TR 25.835 V1.0.0 (2000-09) - 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Report on Hybrid ARQ Type II/III (Release 2000) (TR25.835)
1006	3G TR 25.835 V0.0.2 (2000-08) - 3 rd Generation Partnership Project; Technical Specification Group Radio Access Network; Report on Hybrid ARQ Type II/III (Release 2000), TSG-RAN

	Working Group 2 (Radio L2 and Radio L3), Sophia Antipolis, France, 21–15 August 2000 (TR25.835 (V0.0.2))
1007	U.S. Patent No. 6,507,582 “Radio Link Protocol Enhancements For Dynamic Capacity Wireless Data Channels,” issued January 14, 2003 (Abrol)
1008	3 rd Generation Partnership Project (3GPP), Technical Specification Group (TSG) RAN; Working Group 2 (WG2); Radio Interface Protocol Architecture; TS 25.301 V3.2.0 (1999-10) (TS25.301)

7. In preparing this Reply declaration, I have reviewed the following materials, each of which is the sort of material that experts in my field would reasonably rely upon when forming their opinions. I also considered other background materials that are referenced in this declaration.

Ex. No.	Description
Ex. 1027	3G TS 25.201 V3.1.0 (2000-06) - 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Layer - General Description (Release 1999) (TS25.201)
Ex. 1028	<i>WCDMA for UMTS</i> , Holma & Toskala, Copyright 2000 (Wiley & Sons) (June 2000 Reprint) (WCDMA for UMTS)
Ex. 1029	RFC793, Transmission Control Protocol, DARPA Internet Program Protocol Specification (September 1981) (RFC793)
Ex. 1030	<i>W-CDMA and cdma2000 for 3G Mobile Networks</i> , Karim & Sarraf, Copyright 2002 (McGraw-Hill) (W-CDMA and cdma2000)

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.