

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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T-Mobile US, Inc., T-Mobile USA, Inc., TeleCommunication Systems, Inc.,  
Ericsson Inc., and Telefonaktiebolaget LM Ericsson  
*Petitioners,*

v.

TracBeam, LLC,  
*Patent Owner.*

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U.S. Patent No. 7,525,484

Title: GATEWAY AND HYBRID SOLUTIONS FOR WIRELESS LOCATION

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**PETITION FOR *INTER PARTES* REVIEW**

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## EXHIBITS<sup>1</sup>

Number	Description
1001	U.S. Patent No. 7,764,231 (the “231 Patent”)
1002	U.S. Patent No. 7,525,484 (the “484 Patent”) <b>(PATENT CHALLENGED IN THIS PETITION)</b>
1003	U.S. Patent No. 8,032,153 (the “153 Patent”)
1004	U.S. Patent No. 7,298,327 (the “327 Patent”)
1005	<i>Curriculum Vitae</i> of Dr. William Michalson
1006	Expert Declaration of Dr. William Michalson
1007	U.S. Patent No. 5,724,660 to Kauser (“ <i>Kauser</i> ”)
1008	U.S. Patent No. 5,936,572 to Loomis (“ <i>Loomis</i> ”)
1009	U.S. Patent No. 6,748,226 to Wortham (“ <i>Wortham</i> ”)
1010	International PCT Application No. PCT/US93/12179 to Schuchman (“ <i>Schuchman</i> ”)
1011	U.S. Patent No. 5,327,144 to Stilp (“ <i>Stilp</i> ”)
1012	FAA Advisory Circular 20-101C, <i>Airworthiness Approval of Omega/VLF Navigation Systems For Use in the U.S. National</i>

<sup>1</sup> For the Board’s convenience, Petitioners have used the same set of exhibits and exhibit numbering as used in instituted petitions for the ’484 Patent (*see* IPR2015-01708 and IPR2015-01711), with the following exceptions: (1) an updated expert declaration from Dr. Michalson (Ex. 1006); and (2) the addition of Exhibits 1024-1027.

	<i>Airspace System (NAS) and Alaska</i> (Sep. 12, 1988)
1013	FAA Advisory Circular 20-130A, <i>Airworthiness Approval of Navigation or Flight Management Systems Integrating Multiple Navigation Sensors</i> (Jun. 14, 1995)
1014	<i>FCC Notice of Proposed Rulemaking for Locating Wireless 911 Callers</i> (Released Oct. 19, 1994)
1015	TR45 Joint Experts Meeting (JEM) for Emergency Services (Aug. 18, 1994)
1016	C.J. Driscoll & Associates, <i>Survey of Location Technologies to Support Mobile 9-1-1</i> , July 1994 (“ <i>Driscoll Survey</i> ”)
1017	Claim Construction Order (MetroPCS and TCS lawsuits)
1018	Supplemental Claim Construction Order
1019	Complaint against MetroPCS
1020	Complaint filed by TCS
1021	Dismissal Request (MetroPCS and TCS lawsuits)
1022	Dismissal Order (MetroPCS and TCS lawsuits)
1023	MetroPCS Corporate Disclosure Statement (MetroPCS lawsuit)
1024	<i>T-Mobile US, Inc. et al v. TracBeam, LLC</i> , Case IPR2015-01681, Paper 12
1025	<i>T-Mobile US, Inc. et al v. TracBeam, LLC</i> , Case IPR2015-01708, Paper 10
1026	<i>T-Mobile US, Inc. et al v. TracBeam, LLC</i> , Case IPR2015-01711, Paper 9
1027	Excerpts of Fed. R. Civ. P. 30(b)(6) Deposition of Dr. Dennis Dupray, February 17, 2016

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