

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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T-Mobile USA, Inc., AT&T Services Inc., AT&T Mobility LLC, AT&T Corporation, Cellco Partnership d/b/a Verizon Wireless, Nokia of America Corporation, Ericsson Inc.  
Petitioners

v.

Cobblestone Wireless LLC  
Patent Owner

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Case IPR2024-00137  
Patent 9,094,888

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**PETITION FOR *INTER PARTES* REVIEW  
OF U.S. PATENT NO. 9,094,888**

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### Cases

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## Inter Partes Review of U.S. Patent No. 9,094,888

### EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 9,094,888 (“’888 Patent”)
1002	Prosecution History for 9,094,888
1003	U.S. Patent Publication No. 2006/0111149A1 (“Chitrapu”)
1004	Intentionally Omitted
1005	Expert Declaration of James Proctor
1006	Expert Declaration of Benoist Sébire on the Prior Art Status of TS 36.300
1007	IBM International Technical Support Organization, <i>An Introduction to Wireless Communications</i> , 2d ed. (October 1995)
1008	Taylor, M.S. et al., <i>Internet Mobility: The CDPD Approach</i> (June 11, 1996)
1009	Steele et al., <i>GSM, cdmaOne and 3G Systems</i> (2001)
1010	Sesia, S. et al., <i>LTE – The UMTS Long Term Evolution</i> , 2d ed. (2011)
1011	3GPP 23.401 V10.3.0 (March 2011)
1012	<i>Cobblestone Wireless, LLC v. T-Mobile USA, Inc.</i> , No. 2:22-cv-00477-JRG-RSP (Lead Case), Dkt. 62, Docket Control Order
1013	Katherine K. Vidal, <i>Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation</i> (June 21, 2022)
1014-1200	Intentionally Omitted
1201	3GPP Partnership Project Description

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