

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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**QUALCOMM INCORPORATED**

**Petitioner**

**v.**

**REMBRANDT WIRELESS TECHNOLOGIES, LP**

**Patent Owner**

**CASE NO. IPR2020-00510**

**U.S. PATENT 8,023,580**

**PETITION FOR *INTER PARTES* REVIEW UNDER 35 U.S.C. §312**

**PETITIONER’S EXHIBIT LIST**

No.	Description
1001	U.S. Patent No. 8,023,580 (“580 Patent”)
1002	Declaration of Dr. John Villasenor (“Villasenor Decl.”)
1003	U.S. Patent No. 6,132,306 (“Trompower”)
1004	U.S. Patent No. 5,029,183 (“Tymes”)
1005	U.S. Patent No. 5,491,832 (“Malkamaki”)
1006	U.S. Patent No. 8,457,228 (“228 Patent”)
1007	U.S. Patent No. 5,950,124
1008	Theodore S. Rappaport, <i>Wireless Communications: Principles &amp; Practice</i> (“Rappaport”)
1009	Fuqin Xiong, <i>Digital Modulation Techniques</i> (“Xiong”)
1010	U.S. Patent No. 5,381,449
1011	U.S. Patent No. 5,909,469 (“Frodigh”)
1012	U.S. Patent No. 5,533,004 (“Jasper”)
1013	Sanjay Udani et al., <i>Power Management in Mobile Computing (a Survey)</i> (“Udani”)
1014	Huajing Fu et al., <i>Experimental Test and Evaluation of a GMSK Chipset Compatible With the GSM and PCS Standards</i> (“Fu”)
1015	Amit Bodas et al., <i>Low Complexity GSM Modulator for Integrated Circuit Implementations</i> (“Bodas”)
1016	Robert K. Morrow, <i>Bluetooth: Operation and Use</i> (“Morrow”)
1017	Jennifer Bray et al., <i>Bluetooth: Connect Without Cables</i> (“Bray”)
1018	Kursat Tekbiyik, <i>Robust and Fast Automatic Modulation Classification With CNN Under Multipath Fading Channels</i> (“Tekbiyik”) and Declaration of Jason Guerrero Regarding Tekbiyik
1019	File Wrapper, U.S. Patent No. 8,023,580 (“580 Patent”)
1020	IPR2014-00514, Briefing and Decisions
1021	IPR2014-00515, Briefing and Decisions

No.	Description
1022	IPR2014-00518, Briefing and Decisions
1023	IPR2015-00519, Briefing and Decisions
1024	IPR2015-00114, Briefing and Decisions
1025	IPR2015-00118, Briefing and Decisions
1026	OMITTED
1027	Reexamination No. 90/013,808 File History
1028	<i>Rembrandt Wireless Technologies, LP v. Samsung Electronics Co.</i> , Claim Construction Order
1029	<i>Rembrandt Wireless Technologies, LP v. Apple Inc.</i> , Claim Construction Order
1030	<i>Rembrandt Wireless Technologies, LP v. Samsung Electronics Co.</i> , Trial Transcript
1031	<i>Rembrandt Wireless Technologies, LP v. Samsung Electronics Co.</i> , Rembrandt's Appeal Brief
1032	<i>Rembrandt Wireless Technologies, LP v. Broadcom Inc.</i> , Order Denying Motion to Dismiss
1033	Affidavit of Christopher Butler regarding Exhibit 1013
1034	Declaration of Gerard P. Grenier regarding Exhibit 1015
1035	Declaration of William Johnson regarding Exhibits 1008, 1009, and 1017
1036	Declaration of Mike Strawn regarding Exhibit 1015
1037	Declaration of Stacy Troubh regarding Exhibits 1014 and 1016
1038	OMITTED
1039	Specification of the Bluetooth System v2.1 ("Bluetooth Specification") and Declaration of Jason Guerrero Regarding Bluetooth Specification
1040	Reexamination No. 90/007,617 File History
1041	OMITTED
1042	OMITTED
1043	OMITTED

No.	Description
1044	OMITTED
1045	OMITTED
1046	OMITTED
1047	OMITTED
1048	OMITTED
1049	OMITTED
1050	OMITTED
1051	IPR2020-00033, Petition
1052	IPR2020-00034, Petition
1053	OMITTED
1054	OMITTED
1055	Curriculum vitae of Dr. John Villasenor

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