

PCT/US18/44103 27 July 2018 (27.07.2018)

PW382WO83043

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PCT REQUEST

(Original in Electronic Form)

0	For receiving Office use only	
0-1	International Application No.	PCT/US18/44103
0-2	International Filing Date	27 July 2018 (27.07.2018)
0-3	Name of receiving Office and "PCT International Application"	RO/US
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	ePCT-Filing for data package download Version 4.3.009 MT/FOP 20180720/1.1
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	PW382WO83043
I	Title of Invention	PROTECTION OF RANGING SOUNDING FROM PREFIX REPLAY ATTACKS
II	Applicant	
II-1	This person is	Applicant only
II-2	Applicant for	All designated States
II-4	Name	QUALCOMM INCORPORATED
II-5	Address	ATTN: International IP Administration 5775 Morehouse Drive San Diego, California 92121-1714 United States of America
II-6	State of nationality	US
II-7	State of residence	US
III-1	Applicant and/or inventor	
III-1-1	This person is	Inventor only
III-1-3	Inventor for	All designated States
III-1-4	Name (LAST, First)	LINDSKOG, Erik, David
III-1-5	Address	10390 Farallon Drive Cupertino, California 95014 United States of America

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III-2	Applicant and/or inventor	
III-2-1	This person is	Inventor only
III-2-3	Inventor for	All designated States
III-2-4	Name (LAST, First)	ZHANG, Ning
III-2-5	Address	13645 Saratoga Vista Avenue Saratoga, California 95070 United States of America
III-3	Applicant and/or inventor	
III-3-1	This person is	Inventor only
III-3-3	Inventor for	All designated States
III-3-4	Name (LAST, First)	ZHANG, Xiaoxin
III-3-5	Address	5775 Morehouse Drive San Diego, California 92121-1714 United States of America
III-4	Applicant and/or inventor	
III-4-1	This person is	Inventor only
III-4-3	Inventor for	All designated States
III-4-4	Name (LAST, First)	RAISSINIA, Alireza
III-4-5	Address	5775 Morehouse Drive San Diego, California 92121-1714 United States of America
III-5	Applicant and/or inventor	
III-5-1	This person is	Inventor only
III-5-3	Inventor for	All designated States
III-5-4	Name (LAST, First)	KAKANI, Naveen, Kumar
III-5-5	Address	5775 Morehouse Drive San Diego, California 92121-1714 United States of America

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	Agent DRAPKIN, Michael L. Holland & Hart LLP P.O. Box 11583 Salt Lake City, Utah 84147 United States of America (303) 473-2700 (303) 473-2720 patentdocket@hollandhart.com exclusively in electronic form (no paper notifications will be sent)
IV-1-1	Name (LAST, First)	
IV-1-2	Address	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	
IV-1-5	e-mail	
IV-1-5(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	
IV-1-6	Agent's registration No.	55,127
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	31 July 2017 (31.07.2017)
VI-1-2	Number	62/539,497
VI-1-3	Country or Member of WTO	US
VI-2	Priority claim of earlier national application	
VI-2-1	Filing date	26 July 2018 (26.07.2018)
VI-2-2	Number	16/046,599
VI-2-3	Country or Member of WTO	US
VI-3	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1 VI-2

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VI-4	Incorporation by reference : where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.		
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	5	✓
IX-2	Description	49	✓
IX-3	Claims	5	✓
IX-4	Abstract	1	✓
IX-5	Drawings	17	✓
IX-7	TOTAL	77	
	Accompanying Items	Paper document(s) attached	Electronic file(s) attached
IX-8	Fee calculation sheet	-	✓
IX-19	Other	Copy of General Power of Attorney	✓
IX-20	Figure of the drawings which should accompany the abstract	5	
IX-21	Language of filing of the international application	English	

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X-1	Signature of applicant, agent or common representative	/Michael L. Drapkin, Reg. No. 55,127/
X-1-1	Name (LAST, First)	DRAPKIN, Michael L.
X-1-3	Capacity (if such capacity is not obvious from reading the request)	Agent

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10-1	Date of actual receipt of the purported international application	27 July 2018 (27.07.2018)
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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