

## PCT REQUEST

Original (for SUBMISSION )

0	For receiving Office use only	
0-1	International Application No.	PCT/US08/77194
0-2	International Filing Date	22 SEP 2008 (22.09.08)
0-3	Name of receiving Office and "PCT International Application"	PCT INTERNATIONAL APPLICATION RO/US
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.51.029.204 MT/FOP 20080701/0.20.5.12
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	072164WO
I	Title of invention	ESTIMATION OF DATA-TO-PILOT RATIO IN A WIRELESS COMMUNICATION SYSTEM
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
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
II-8	Telephone No.	858-658-2389
II-9	Facsimile No.	858-658-2502
II-10	e-mail	pct@qualcomm.com
II-10(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 to send, if the Office or Authority so wishes, advance copies of notifications in respect of this international application.	Yes

## PCT REQUEST

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III-1	<b>Applicant and/or inventor</b>	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	AKKARAKARAN, Sony John
III-1-5	Address	5775 Morehouse Drive San Diego, California 92121-1714 United States of America
III-1-6	State of nationality	IN
III-1-7	State of residence	US
III-2	<b>Applicant and/or inventor</b>	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	DONG, Min
III-2-5	Address	5775 Morehouse Drive San Diego, California 92121-1714 United States of America
III-2-6	State of nationality	CN
III-2-7	State of residence	US
IV-1	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	ZHU, Feng
IV-1-2	Address	ATTN: International IP Administration 5775 Morehouse Drive San Diego, California 92121-1714 United States of America
IV-1-3	Telephone No.	858-658-2389
IV-1-4	Facsimile No.	858-658-2502
IV-1-5	e-mail	pzhu@qualcomm.com
IV-1-6	Agent's registration No.	48,063
V	<b>DESIGNATIONS</b>	
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.	

## PCT REQUEST

Original (for SUBMISSION )

VI-1	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	19 May 2008 (19.05.2008)
VI-1-2	Number	12/123,320
VI-1-3	Country	US
VI-2	<b>Priority document request</b> 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-3	<b>Incorporation by reference :</b> 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	<b>International Searching Authority Chosen</b>	European Patent Office (EPO) (ISA/EP)
VIII	<b>Declarations</b>	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	1
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	1
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	--

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IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	6	✓
IX-2	Description	17	-
IX-3	Claims	8	-
IX-4	Abstract	1	✓
IX-5	Drawings	4	-
IX-7	TOTAL	36	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. 072164WO	-
IX-18	PCT-SAFE physical media	-	✓
IX-20	Figure of the drawings which should accompany the abstract	3	
IX-21	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	ZHU, Peng	
X-1-2	Name of signatory		
X-1-3	Capacity		

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22.09.08

10-1	Date of actual receipt of the purported international application	22 SEP 2008
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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