

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3435442

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KIMIHIKO IMAMURA	04/16/2007
RECEIVING PARTY DATA	
Name:	SHARP LABORATORIES OF AMERICA, INC.
Street Address:	5750 NW PACIFIC RIM BOULEVARD
City:	CAMAS
State/Country:	WASHINGTON
Postal Code:	98607
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13324608
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	btwalker@qualcomm.com
Correspondent Name:	SNAPTRACK, INC.
Address Line 1:	5775 MOREHOUSE DRIVE
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
NAME OF SUBMITTER:	BRETT T. WALKER
SIGNATURE:	/Brett T. Walker/
DATE SIGNED:	07/13/2015
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, the undersigned Kimihiko Imamura, a resident of
(hereinafter termed "Inventor") has invented certain new and useful
Improvements in:

METHOD AND SYSTEM FOR OPTIMIZED REFERENCE SIGNAL
DOWNLINK TRANSMISSION IN A WIRELESS COMMUNICATION
SYSTEM

and has executed a declaration or oath for an application for a United States
patent disclosing and identifying the invention:

Declaration executed on April 16, 2007;

or

Having been previously filed and assigned
Serial Number and filing date; and

WHEREAS Sharp Laboratories of America, Inc., a corporation of the State
of Washington, (hereinafter termed "Assignee"), having a place of business at
5750 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire
the entire right, title and interest in and to said application and the invention
disclosed therein, and in and to all embodiments of the invention, heretofore
conceived, made or discovered by said Inventors (all collectively hereinafter
termed "said invention"), and in and to any and all patents, certificates of
invention and other forms of protection thereon (hereinafter termed "patents")
applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged
by said Inventor to have been received in full from said Assignee:

1. Said Inventor hereby sells, assigns, transfers, and conveys unto said
Assignee, the entire right, title and interest (a) in and to said application
and said invention; (b) in and to all rights to apply in any and all countries
of the world for patents, certificates of inventions or other government
grants on said invention, including the right to apply for patents pursuant

to the International Convention for the Protection of Industrial property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting application for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefore and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, said Inventor's heirs, legal representatives and assigns.
4. Said Inventor hereby warrants and represents that said Inventor has not entered and will not enter into any assignment, contract, or understanding in conflict with this assignment.

IN WITNESS WHEREOF, the said Inventor has executed this Assignment on the date given below:

(1) Kimihiko Imamura
Kimihiko Imamura

04/16/2007
(Date)
