503810254 05/03/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3856902 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DINA KATABI	04/22/2016
DEEPAK VASISHT	04/22/2016
SWARUN SURESH KUMAR	04/28/2016

RECEIVING PARTY DATA

Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
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Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15072592

CORRESPONDENCE DATA

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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.

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Email: info@orpatent.com, smith@orpatent.com

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ATTORNEY DOCKET NUMBER:	70009-D45001
NAME OF SUBMITTER:	GRACI SMITH
SIGNATURE:	/Graci Smith/
DATE SIGNED:	05/03/2016

Total Attachments: 3

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PATENT 503810254 REEL: 038447 FRAME: 0109

JOINT ASSIGNMENT Attorney Docket No.: 70009-D45001

ASSIGNMENT

For valuable consideration, we, Dina Katabi of 32 Vassar Street, Room 32-G936, Cambridge MA 02139, Deepak Vasisht of 550 Memorial Drive, Cambridge, MA 02139, Swarun Suresh Kumar of 550 Memorial Drive, Cambridge, MA 02139, hereby assign to Massachusetts Institute of Technology, a corporation of Massachusetts, having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled SUB-DECIMETER RADIO FREQUENCY RANGING, filed 3/17/2016, and assigned U.S. Serial Number 15/072,592, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 4/22/16	Dina Katabi
	Dina Katabi
STATE OF Massachuetts	
COUNTY OF Middle Section () SS.	
the State of Wassachocatts 1	_, before me, the undersigned, a notary public fo
	there personally appeared Dina Katabi personally
known to me (or proved to me on the basis of sa	
name is subscribed to this Assignment, who ack authorized capacity and that by his signature on behalf of which he acted, executed this Assignment	this Assignment, the person or the entity upon
perior or whor he detect, executed this Assigning	ICI IL.

WITNESS my hand and official seal.

DEBORAH A. GOODWIN
Notary Public
COMMONWEALTHOF MASSACHUSETIS
My Commission Expires
May 20, 2022

PATENT

REEL: 038447 FRAME: 0110

Date: 4/22/16	D. A. C.
	Deepak Vasisht
he State of <u>מאלילי</u> האונים וליים וליים אונים ליים וליים ליים וליים ליים וליים ליים	e basis of satisfactory evidence) to be the person who acknowledged having executed the same in re on this Assignment, the person or the entity
ate:	Swarun Suresh Kumar
TATE OF) SS.	
ne State of, umar personally known to me (or proved to me erson whose name is subscribed to this Assig	, before me, the undersigned, a notary public for there personally appeared Swarun Suresh ne on the basis of satisfactory evidence) to be the inment, who acknowledged having executed the signature on this Assignment, the person or the this Assignment.
vvi i NESS my nand and official seal.	
	Notary Public

JOINT ASSIGNMENT Attorney Docket No.: 70009-D45001

Date:	
	Deepak Vasisht
STATE OF)	
) SS.	
COUNTY OF)	
On	, before me, the undersigned, a notary public for
the State of, t	_, before me, the undersigned, a notary public for here personally appeared Deepak Vasisht
personally known to me (or proved to me on the	basis of satisfactory evidence) to be the person
whose name is subscribed to this Assignment, w	ho acknowledged having executed the same in
his authorized capacity and that by his signature upon behalf of which he acted, executed this As	on this Assignment, the person or the entity
upon benan of which he acted, executed this As	signifient.
WITNESS my hand and official seal.	
	Notary Public
Date: 4-28-16	S Swam Jumas
Date. 128 10	Swarun Suresh Kumar
OTATE OF PARKERS PLANTED	
STATE OF <u>fennsylvania</u>)	
COUNTY OF allegheny	
on Capril 28, 2016	_, before me, the undersigned, a notary public for here personally appeared Swarun Suresh
the State of pennsylvania, t	here personally appeared Swarun Suresh
Kumar personally known to me (or proved to me	
person whose name is subscribed to this Assign same in his authorized capacity and that by his s	
entity upon behalf of which he acted, executed the	nis Assignment.
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WITNESS my hand and official seal.	
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	Christ Conn
COMMONWEALTH OF PENNSYLVANIA	
NOTARIAL SEAL	Notary Public
CHRISTINA COWAN Notary Public	
PITTSRURGH CITY, ALLEGHENY COUNTY	
My Commission Expires Mar 18, 2017	

PATENT REEL: 038447 FRAME: 0112