501767307 12/23/2011

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
University of California	08/24/2008

RECEIVING PARTY DATA

Name:	National Science Foundation	
Street Address:	4201 Wilson Blvd	
Internal Address:	Room 1265	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11584831

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Total Attachments: 1 source=21#page1.tif

PATENT 501767307 REEL: 027439 FRAME: 0390

License to the United States Government

Invention Title: APPARATUS AND METHOD FOR A SYSTEM ARCHITECTURE FOR MULTIPLE ANTENNA WIRELESS COMMUNICATION SYSTEMS USING ROUND ROBIN CHANNEL ESTIMATION AND TRANSMIT BEAM FORMING ALGORITHMS

Inventor(s): Hamid Jafarkhani, Li Liu

U.S. Filing/Issue Date: 10/23/2006 Patent or Application Serial No.: 11/584,831

Grant/Contract Number(s): NSF 0424454

Foreign Applications filed/intended in (countries): PCT/US2006/041367

UC Case Number: 2006-218-2

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

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Signed this 24th day of August, 2008

By John Shih, Ph.D. (Name of Grantee/Contractor Official)

(Signature)

Title: Business Development & Manager, Patent Prosecution

For <u>UNIVERSITY OF CALIFORNIA</u>

RECORDED: 12/23/2011

(Grantee/Contractor Organization)

At 1111 Franklin Street 5th Floor Oakland, CA 94607 US (Business Address)

PATENT REEL: 027439 FRAME: 0391