502100364 10/19/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

Name	Execution Date
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	09/17/2012

RECEIVING PARTY DATA

IIName:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government	
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)	
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980	
City:	Bethesda	
State/Country:	MARYLAND	
Postal Code:	20892-7980	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13607924

CORRESPONDENCE DATA

Fax Number: 3014800272

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: edison@nih.gov
Correspondent Name: Director, DEITR

Address Line 1: NIH, 6705 Rockledge Drive, Suite 310

Address Line 2: MSC 7980

Address Line 4: Bethesda, MARYLAND 20892-7980

NAME OF SUBMITTER: Director, DEITR, NIH

Total Attachments: 1

source=13607924,LAB,10-19-2012#page1.tif

PATENT 502100364 REEL: 029156 FRAME: 0458

License to the United States Government

RECORDED: 10/19/2012

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).
nvention Title: Model-Based Method for Continuous Determination of Cardiac Output and
Peripheral Vascular Resistance
nventor(s): Thomas Heldt, Gireeja V Ranade, Tushar Parlikar, George C Verghese
J.S. Filing/Issue Date: 09/10/2012
Patent or Application Serial No.: 13/607, 924
Grant/Contract Number(s): EB001659 CA00403
Foreign Applications filed/intended in (countries):
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 dentified grant or contract award from the United State Government. This document is confirmatory of:
 The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.
The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.
Signed this 17th day of September, 20 12
Rolande Johndro Rolande Johndro
(Institutional Business Official) (Signature)
Fitle Patent Compliance Administrator
For MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Grantee/Contractor Organization)
At MIT Technology Licensing Office NE18-501 One Cambridge Center, Kendall Square
Cambridge, MA 02142 US (Business Address)
(pasiticas variess)

PATENT REEL: 029156 FRAME: 0459