504497242 08/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4543945

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

CONVEYING PARTY DATA

Name	Execution Date
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	08/07/2017

RECEIVING PARTY DATA

Name:	National Science Foundation
Street Address:	4201 Wilson Blvd
Internal Address:	Room 1265
City:	Arlington
State/Country:	VIRGINIA
Postal Code:	22230

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14279266

CORRESPONDENCE DATA

Fax Number: (703)292-9041

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.

Email: nsfpatents@nsf.gov

Correspondent Name: NATIONAL SCIENCE FOUNDATION

Address Line 1: 4201 WILSON BLVD

Address Line 2: ROOM 1265

Address Line 4: ARLINGTON, VIRGINIA 22230

NAME OF SUBMITTER:	DANA THIBODEAU
SIGNATURE:	/DMT/
DATE SIGNED:	08/10/2017

Total Attachments: 1 source=3673#page1.tif

PATENT 504497242 REEL: 043513 FRAME: 0805

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in lizdison).
Invention Title: Refraction Wiggles for Measuring Fluid Depth and Velocity from Video
Inventor(s): Frederic (Fredo) Durand, William T. Freeman, Michael Rubinstein, Neal Wadhwa.
Tianfan Xue
U.S. Filing/Issue Date: 05/15/2014
Patent or Application Serial No.: 14/279, 266
Grant/Contract Number(s): DGE1122374
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 claus at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the abovidentified grant or contract award from the United States 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, are 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 are regulations that are applicable to the award.
The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified pate application.
Signed this, 20
By Kevin McCaffrey (Institutional Business Official) (Signature)
Title Patent Compliance Administrator
For MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Grantee/Contractor Organization)
Af 255 Main Street NE18-501 Cambridge, MA 02142 (Business Address)

PATENT REEL: 043513 FRAME: 0806

RECORDED: 08/10/2017