

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4838216

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE		
CONVEYING PARTY DATA			
Name			Execution Date
UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL			02/21/2018
RECEIVING PARTY DATA			
Name:	NATIONAL SCIENCE FOUNDATION		
Street Address:	2415 EISENHOWER AVENUE		
Internal Address:	ROOM W 18000		
City:	ALEXANDRIA		
State/Country:	VIRGINIA		
Postal Code:	22314		
PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	15561195		
CORRESPONDENCE DATA			
Fax Number:	(703)292-9041		
<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:	nsfpatents@nsf.gov		
Correspondent Name:	NATIONAL SCIENCE FOUNDATION		
Address Line 1:	2415 EISENHOWER AVENUE		
Address Line 2:	ROOM W 18000		
Address Line 4:	ALEXANDRIA, VIRGINIA 22314		
NAME OF SUBMITTER:	DANA THIBODEAU		
SIGNATURE:	/DMT/		
DATE SIGNED:	02/23/2018		
Total Attachments: 1			
source=4311#page1.tif			

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Streaming Connected Component Discovery for Large-Scale Structure-from-Motion

Inventor(s): Jan-Michael Frahm, Enrique Dunn Rivera, Jared Heinly, Johannes Schoenberger

U.S. Filing/Issue Date: September 25, 2017

Patent or Application Serial No.: 15/561,195

Grant/Contract Number(s): IIS-1252921, IIS-1349074, CNS-1405847, W911NF-14-1-0438

Foreign Applications filed/intended in (countries): _____

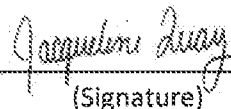
The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government.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

1. 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
2. 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 21st day of February, 2018.

By Jacqueline Quay
(Institutional Business Official)


(Signature)

Title Director of Licensing

For The University of North Carolina at Chapel Hill
(Grantee/Contractor Organization)

At Office of Commercialization and Economic Development
100 Europa Drive, Suite 430
Chapel Hill, NC 27517