

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4378839

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARK FROGGATT	03/29/2016
DAWN K. GIFFORD	03/29/2016
STEPHEN T. KREGER	03/28/2016
ALEXANDER K. SANG	03/28/2016
JEFFREY T. LACROIX	03/29/2016
ERIC E. SANBORN	03/29/2016
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Property Type	Number
Application Number:	15520950
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NAME OF SUBMITTER:	JOHN R. LASTOVA
SIGNATURE:	/John R. Lastova/
DATE SIGNED:	04/21/2017
Total Attachments: 3	

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ASSIGNMENT OF INVENTION AND PATENT RIGHTS

WHEREAS I/we:

FROGGATT, Mark
1751 Brush Mountain Creek Road
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United States of America

GIFFORD, Dawn K.
2175 Craig Creek Road
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United States of America

SANBORN, Eric E.
2011 Christopher Drive
Blacksburg, Virginia 24060

(the "Assignor(s)") have invented one or more inventions described in one or more patent applications entitled (the "Invention"):

DIS-SIMILIAR CORES IN MULTICORE OPTICAL FIBER FOR STRAIN AND
TEMPERATURE SEPARATION

the application(s) having been filed as Application Number: PCT/US2015/064213, filed on: 07-Dec-2015

Now for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, I/we hereby sell, assign, and transfer to (the "Assignee"),:

Intuitive Surgical Operations, Inc.

ISRG06870/PCT

a Delaware corporation having a place of business at 1020 Kifer Road, Sunnyvale, California 94086 and the Assignee's successor(s), assign(s), and nominee(s)—

- (i) the entire right, title, and interest throughout the world in the Invention(s); and
- (ii) the entire right, title, and interest throughout the world in all patent applications and patents of every country and region (including international applications made under the Patent Cooperation Treaty) for the Invention(s), including continuations, divisions, reissues, and extensions thereof, and all rights of priority resulting from the filing of these applications (the "Patent Rights").

I/we authorize the Assignee and the Assignee's successor(s), assign(s), and nominee(s) to apply for patents of every country and region for the Invention(s) and to claim all rights of priority without further authorization from me/us.

I/we agree to execute all papers useful in connection with the Patent Rights, and generally to do everything possible to aid the Assignee, and the Assignee's successor(s), assign(s), and nominee(s), at their reasonable request and reasonable expense, in obtaining and enforcing the Patent Rights in all countries and regions.

I/we request that all patents granted for the Invention(s) be issued to the Assignee or to the Assignee's successor(s), assign(s), and nominee(s) as the case may be.

Signature:

Mark E. Froggatt

FROGGATT, Mark

3/29/2016

Date

Signature:

Dawn K. Gifford

GIFFORD, Dawn K.

3/29/16

Date

Signature:

Stephen T. Kreger

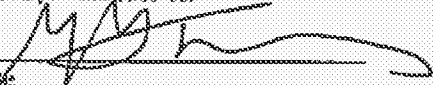
KREGER, Stephen T.

28 March 2016

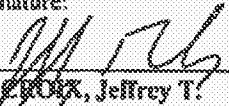
Date

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Signature:

SANG, Alexander K.


Date

Signature:


LAZORKA, Jeffrey T.
3/29/16

Date

Signature:


SANBORN, Eric E.
3/29/16

Date

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