502616822 12/31/2013

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAMELA BASTO	09/22/2011
ROBERT S. LANGER	09/23/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14084424

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ATTORNEY DOCKET NUMBER:	MIT 13399 P2 371 CON
NAME OF SUBMITTER:	CANDACE C. ANDREWS
Signature:	/Candace C. Andrews/
Date:	12/31/2013

Total Attachments: 3

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PATENT REEL: 031861 FRAME: 0588 IOP \$40.00 14084424

ASSIGNMENT

19-23-201

53 HOWARD ST#3, CAMBRIDGE, MASSACHUSE We, Pamela Basto of 125 Liberty Road, #3, Somerville, Massachusetts 02144 and Robert

S. Langer of 98 Montvale Road, Newton, Massachusetts 02459, in consideration of ten dollars and other valuable consideration paid to us by Massachusetts Institute of Technology, a university of the Commonwealth of Massachusetts, having its principal place of business at One Cambridge Center, Kendall Square, Cambridge, MA 02142-1601 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "Adjuvant Incorporation in Immunonanotherapeutics" described in U.S. Serial No. 13/123,888 filed in the United States Patent and Trademark Office on April 12, 2011 by Frank Alexis, Matteo Iannacone, Jinjun Shi, Pamela Basto, Elliott Ashley Moseman, Ulrich von Andrian, Robert S. Langer, Omid C. Farokhzad, and Elena Tonti, International Application No. PCT/US2009/060242 filed in the United States Receiving Office for the Patent Cooperation Treaty on October 9, 2009, International Application No. PCT/US2008/011932 filed in the United States Receiving Office for the Patent Cooperation Treaty on October 12, 2008, U.S. Serial No. 12/428,395 filed in the United States Patent and Trademark Office on April 22, 2009, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or on said applications, or any provisional, divisional, continuation, reissue, or other applications based thereon. And we agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended

45123203_1.DOC

MIT 13399 (2) 371

U.S.S.N. 13/123,888

Title: Adjuvant Incorporation in Immunonanotherapeutics

By: Frank Alexis, Matteo Iannacone, Jinjun Shi, Parnela Basto, Elliott Ashley Moseman, Ulrich von Andrian, Robert S. Langer, Omid C.

Parokhzad, and Elena Tonti

Filed: April 12, 2011

ASSIGNMENT

specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

WITNESS my hand and seal this 22 day of 20 km/bey, 2011.

Pamela Basto

State of

Massachusetts)

County of

hen personally appeared the above named Pamela Basto and acknowledged the

Interpretationally appeared the above named Pamela Basto and acknowledged the long that $\frac{77}{2}$ day of $\frac{500}{2}$, 2011.

(2) - 1 - 1 - 1 - 1 - 1

My Commission expires:

12/1/17

45123203_1.DOC

2

MIT 13399 (2) 371 701350/00345 U.S.S.N. 13/123,888

Title: Adjuvant Incorporation in Immunonanotherapeutics

By: Frank Alexis, Matteo Iannacone, Jinjun Shi, Pamela Basto, Elliott Ashley Moseman, Ulrich von Andrian, Robert S. Langer, Omid C.

Farokhzad, and Elena Tonti Filed: April 12, 2011 ASSIGNMENT

WITNESS my hand and seal this 23 day of Left, 2011.

Robert S. Langer

State of

County of

Then personally appeared the above named Robert S. Langer and acknowledged the foregoing instrument to be his free act and deed, before me this <u>13</u> day of <u>lept. 2011</u>.

ILDA M. THOMPSON Notary Public COMMONWEALTH OF MASSACHUSETTS

My Commission expires:

3

MIT 13399 (2) 371 701350/00345

RECORDED: 12/31/2013