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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6861372

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
ALONSO RICARDO		11/25/2017
STEVEN JAMES DEMARCO		11/20/2017
SYLVIA TOBE		11/30/2017
MICHELLE DENISE HOARTY		11/27/2017
ROBERT PAUL HAMMER		11/20/2017
DOUGLAS A. TRECO		11/20/2017
KATHLEEN SEYB		11/27/2017
GUO-QING TANG		11/20/2017
VAISHNAVI RAJAGOPAL		11/20/2017
DOUANGSONE D. VADYSIRISACK		11/20/2017
RAMIN FARZANEH-FAR		11/20/2017

RECEIVING PARTY DATA

Name:	RA PHARMACEUTICALS, INC.
Street Address:	87 CAMBRIDGE PARK DRIVE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02140-2311

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17400267

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2011.1022USCON
NAME OF SUBMITTER:	JESSICA L. CHARLAND
SIGNATURE:	/Jessica L. Charland/
DATE SIGNED:	08/12/2021
Total Attachments: 3 source=2011.1022PCT_ASSIGNMENT#page1.tif source=2011.1022PCT_ASSIGNMENT#page2.tif source=2011.1022PCT_ASSIGNMENT#page3.tif	

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Ra Pharmaceuticals, Inc., having a place of business at 87 Cambridge Park Drive, Cambridge, Massachusetts 02140, for itself and its successors, transferees, and assigns (herein "ASSIGNEE") the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

 Application No. <u>PCT/US2017/065005</u>, entitled "<u>MODULATORS OF</u> <u>COMPLEMENT ACTIVITY</u>" filed on <u>December 7, 2017</u>.

2. The entire worldwide right, title, and interest in and to:

(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to sue for and recover damages for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein or provisional rights from any patent application listed herein.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Attorney Docket No: 2011.1022PCT

PATENT REEL: 057159 FRAME: 0452 INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

INVENTOR acknowledges the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

A1

Date 25/141/2017	Signature
Date <u>20 Nov 2017</u>	Signature NameSteven James DeMarco
Date 30 Nov 2017	Signature
Date <u>27 NOV 20</u> 17	Signature Michelle Denise Hoarty
Date 20 Nov 2017	Signature <u>Robert Paul Hammer</u>
Date $11/20/7$	Signature

Attorney Docket No: 2011.1022PCT

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Title: MODULATORS OF COMPLEMENT ACTIVITY Filed: December 7, 2017 Application No.: PCT/US2017/065005

Date <u>Nov. 27, 201</u> 7	Signature NameKathleen Seyb
Date <u>Nov. 201 20</u> 17-	Signature Guo-Qing Tang
Date Nov 20, 2017	Signature <u>Le Keni K</u> Name <u>Vaishnavi Rajagopal</u>
Date <u>Nov 20, 2</u> 017	Signature <u>Douangsone D. Vadysilisack</u>
Date 11/20/17	Signature NameRamin Farzaneh-Far

The undersigned acknowledges and accepts this assignment on behalf of Ra Pharmaceuticals, Inc.

Date $l \sim (\zeta | \iota)$ Signature Authorized Representative of Ra Pharmaceuticats, Inc.

Attorney Docket No: 2011.1022PCT

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PATENT REEL: 057159 FRAME: 0454

RECORDED: 08/12/2021