505350385 02/28/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
F. HOFFMAN-LA ROCHE AG	10/21/2011	

RECEIVING PARTY DATA

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Property Type	Number			
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NAME OF SUBMITTER:	LAKEISHA BRYANT
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DATE SIGNED:	02/28/2019

Total Attachments: 7

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> PATENT REEL: 048461 FRAME: 0723

General Assignment

F. Hoffmann-La Roche Ltd (Assignor) a Swiss corporation Grenzacherstrasse 124 4070 Basel Switzerland

Hereby assigns the entire right, title and interest in and to the patent applications/patents listed in the attached Appendix, including statutory invention registrations, reissues, divisions, continuations, continuations-in-part, supplementary protection certificates, extensions and re-examinations thereof, all inventions disclosed therein, all rights therein provided by international treaties and conventions, and all rights to obtain and file for patents and registrations thereto in any country of the world, to

Arrowhead Research Corporation

Basel, Switzerland	F. Hoffmann-La Roche Ltd
	By: Jy. Collego
•	Name: GUIDO KAISER
	Title: LEGAC REPROSONTATIVE
	By: Politica.
·	Name: PETER TRYBUS
	Title: LECAL REPRESENTATIVE
Pasadena, California	Arrowhead Research Corporation
	Ву:
	Name:
	Title:

/NY\ 09815/164/AGT/General Patent Assignment (Roche Resell doc

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Arrowhead Research Corporation

Basel, Switzerland

F. Hoffmann-La Roche Ltd

Pasadena, California

Arrowhead Research Corporation

CAMUL KERNETH A. MYSZKOWSK.

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Appendix - Assigned Basel Patents

Family	Title	Case	Country Status	Serial No.	Filing Date	Patent No.	Is suc Date
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PATENT REEL: 048461 FRAME: 0726 Family Title Case Country Status Scrial No. Filing Date Patent No. Issue Date

Family	Title	Case	Country	Status	Serial No.	Filing Date	Patent No.	Is sue Date
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Family Title Case Country Status Serial No. Filing Date Patent No. Is sue Date