PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELENA FEINSTEIN	07/25/2012
SHARON AVKIN-NAHUM	07/25/2012
HAGAR KALINSKI	07/29/2012
IGOR METT	07/25/2012

RECEIVING PARTY DATA

Name:	QUARK PHARMACEUTICALS, INC.
Street Address:	6501 DUMBARTON CIRCLE
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94555

PROPERTY NUMBERS Total: 2

Property Type	Number				
Application Number:	15283179				
Patent Number:	9456984				

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	101025.000058
NAME OF SUBMITTER:	PETER J. KNUDSEN
SIGNATURE:	/Peter J. Knudsen/
DATE SIGNED:	10/30/2018

Total Attachments: 4

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PATENT REEL: 047354 FRAME: 0958 DOCKET NO.: NITT-0024 PATENT

ASSIGNMENT

WHEREAS we, Elena FEINSTEIN, residing at 13/55 HaCarmel Street, Rehovot, Israel; Sharon AVKIN-NAHUM, residing at 4 Hakramim Street, Nes Ziona, Israel; Hagar KALINSKI, residing at 1 Haim Landau Street, Rishon Le-Zion, Israel; and Igor METT, residing at 9/1 Paldi Street, Rehovot, Israel, hereinafter referred to as the assignors, are the joint inventors and/or contributors, with Yoshiro NIITSU, Victor KNOPOV, Joseph E. PAYNE, Richard P. WITTE, Mohammad AHMADIAN, Loren A. PERELMAN, Violetta AKOPIAN, Yasunobu TANAKA, Kenjiro MINOMI, Wenbin YING, and Yun LIU, of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No. 13/492,594, filed June 8, 2012, and entitled "RETINOID-LIPOSOMES FOR TREATING FIBROSIS"; and

WHEREAS Quark Pharmaceuticals, Inc., hereinafter referred to as the assignee, a corporation of the State of California, having a place of business at 6501 Dumbarton Circle, Fremont, California, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said

PATENT **DOCKET NO.: NITT-0024**

application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN TESTIMONY WHEREOF, we have signed our names below on the date(s) indicated above our signatures.

- Year

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PATENT **DOCKET NO.: NITT-0024** Executed this 25 day of July, year of 2012. Sharon AVKIN NAHUM STATEMENT OF WITNESS SIGNED at Nes Yong Isener, this 25 day of 342, 35, 35 day of 342, 35, I, ALEXANDRA ABRALORR , whose full residence address is S SHABARI ST., ASHEDD, ISRAEL was personally present and did see Sharon AVKIN-NAHUM execute the above assignment on the 25 day of July, 2012, and such assignor is personally known to me to be the person described in such documents Executed this 29 day of July, year of 2012. Hagar KALINSKI STATEMENT OF WITNESS SIGNED at Nel Ziono TSPAEZ, (Country)

this 29 day of YULY, 2012.

I, ALEYANDRA ABRAMACK, whose full residence address is S Superior St., Ashbob, Tspaez was personally present and did see Hagar KALINSKI execute the above assignment on the 28 day of July, 2012, and such assignor is personally known to me to be the person described in such document.

Page 3 of 4

REEL: 028**p38TER/A**ME: 0624 REEL: 047354 FRAME: 0961

PATENT **DOCKET NO.: NITT-0024** 25 day of Yuly, year of 2012. Igor METT STATEMENT OF WITNESS SIGNED at Nes Liona Terrer,

this As day of Fully, 2012.

I, Mexamber Abrances, whose full residence address is Suabari Sty Alubob, Terrer was personally present and did see Igor METT execute the above assignment on the As day of July, 2012, and such assignor is personally known to me to be the person described in such documents

Page 4 of 4

PATENT

REEL: 028β38 ΕΡΑΜΕ: 0625 REEL: 047354 FRAME: 0962

RECORDED: 10/30/2018

RECORDED: 08/23/2012