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TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: INTELLECTUAL PROPERTY SECURITY AGREEMENT SUPPLEMENT

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
RAYONIER PERFORMANCE FIBERS, LLC		11/17/2017	Limited Liability Company: DELAWARE
RAYONIER ADVANCED MATERIALS INC.		11/17/2017	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A.
Street Address:	100 NORTH TRYON STREET
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255
Entity Type:	NATIONAL ASSOCIATION:: UNITED STATES

PROPERTY NUMBERS Total: 3

Property Type	Number	Word Mark
Serial Number:	87081380	OPTISILK
Serial Number:	87621194	RYAM
Serial Number:	87081445	SPINPURE

CORRESPONDENCE DATA

Fax Number: 6508385109

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 650-838-3743

Email: jlik@shearman.com

Correspondent Name: MARIE-ALEXIS VALENTE
Address Line 1: 599 Lexington Avenue
Address Line 2: Shearman & Sterling LLP

Address Line 4: New York, NEW YORK 10022

ATTORNEY	DOCKET	NIIMBER:	3232/62
ALIVINIEL	DOCKE	HOMBEIL.	10202/02

NAME OF SUBMITTER: MARIE-ALEXIS VALENTE

SIGNATURE: /MARIE-ALEXIS VALENTE/

DATE SIGNED: 11/22/2017

Total Attachments: 6

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INTELLECTUAL PROPERTY SECURITY AGREEMENT SUPPLEMENT

This Intellectual Property Security Agreement Supplement (this "Agreement"), dated as of November 17, 2017, by and among each Pledgor listed on the signature pages hereof (collectively, the "IP Pledgors") and BANK OF AMERICA, N.A, as Collateral Agent under the Security Agreement, as defined below (the "Collateral Agent"), is made for the benefit of the Secured Parties, under the terms of (i) that certain Security Agreement dated as of June 26, 2014, by and among RAYONIER ADVANCED MATERIALS INC., a Delaware corporation ("Holdings"), having its chief executive office at 1301 Riverplace Boulevard, Suite 2300, Jacksonville, FL 32207, RAYONIER A. M. PRODUCTS INC., a Delaware corporation, (the "Borrower"), having its chief executive office at 1301 Riverplace Boulevard, Suite 2300, Jacksonville, FL 32207, the other Pledgors and the Collateral Agent (as amended, amended and restated, restated, supplemented or otherwise modified, the "Security Agreement") and (ii) that certain Intellectual Property Security Agreement dated June 26, 2014 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "IP Security Agreement").

This Agreement is executed pursuant to the terms of the Security Agreement. Capitalized terms used herein but not defined herein shall have the meanings assigned to them in the Security Agreement.

As security for the payment and performance, as applicable, in full of its Obligations, each IP Pledgor pursuant to the Security Agreement did, and hereby does, assign and pledge to the Collateral Agent and its successors and permitted assigns, for the benefit of the Secured Parties, a continuing security interest in all of such IP Pledgor's right, title and interest in, to and under any and all of the following assets now owned or at any time hereafter acquired by such IP Pledgor or in which such IP Pledgor now has or at any time in the future may acquire any right, title or interest (collectively, but excluding any Excluded Property or Excluded Securities, the "Additional IP Collateral"):

- (i) all Patents of the United States of America, including, without limitation, those listed on Schedule A;
- (ii) all Trademarks of the United States of America, including, without limitation, those listed on <u>Schedule B</u>; provided that no security interest shall be granted in United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark applications under applicable federal law), together with the goodwill symbolized thereby;
- (iii) any and all claims for damages for past, present and future infringement or other violation with respect to any of the foregoing; and
- (iv) any and all proceeds of, and collateral security for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Additional IP Collateral of or arising from any of the foregoing.

Each IP Pledgor authorizes and requests that the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this Agreement.

The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Security Agreement. Each IP Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Additional IP Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or other electronic imaging means (e.g. "pdf" or "tif") shall be effective as delivery of a manually executed counterpart of this Agreement.

THIS AGREEMENT AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSE OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS AGREEMENT AND THE TRANSACTIONS CONTEMPLATED HEREBY SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK WITHOUT REGARD TO THE CONFLICTS OF LAWS PRINCIPLES THEREOF THAT WOULD REQUIRE THE APPLICATION OF LAWS OF ANOTHER JURISDICTION.

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, the undersigned have executed this Intellectual Property Security Agreement Supplement as of the <u>17</u> day of November, 2017.

Rayonier Performance Fibers, LLC

Ву

Name: Frank A. Ruperto Title: Senior Vice President

Rayonier Advanced Materials Inc.

 R_{V}

Name: Frank A. Ruperto

Title: Chief Financial Officer and Senior Vice President, Strategy and Finance

Patents and Patent Applications

Patents and Patent Applications					
Title	Patent No. / Date	App. No. / Filed	Owner	Status	
ABSORBENT PRODUCTS AND METHODS OF PREPARATION THEREOF	7919667	09/334125	Rayonier Performance Fibers, LLC	Granted	
	20110405	19990615			
ABSORBENT PRODUCTS AND METHODS OF PREPARATION THEREOF	8247641	09/863585	Rayonier Performance Fibers, LLC	Granted	
	20120821	20010516			
CELLULOSIC FIBERS WITH ODOR CONTROL CHARACTERISTICS	8138106	11/239278	Rayonier Performance Fibers, LLC	Granted	
	20120320	20050930			
CHEMICALLY CROSS-LINKED CELLULOSIC FIBER AND METHOD OF MAKING SAME	7074301	10/166254	Rayonier Performance Fibers, LLC	Granted	
	20060711	20020611			
CHEMICALLY CROSS-LINKED CELLULOSIC FIBER AND METHOD OF MAKING SAME	7094318	10/694348	Rayonier Performance Fibers, LLC	Granted	
WARING SAME	20060822	20031028			
CHEMICALLY CROSS-LINKED CELLULOSIC FIBER AND METHOD OF MAKING SAME	7320740	11/156703	Rayonier Performance Fibers, LLC	Granted	
IVIANING SAIVIE	20080122	20050621	,		
CHEMICALLY CROSS-LINKED CELLULOSIC FIBER AND METHOD OF MAKING SAME	7419568	11/156717	Rayonier Performance Fibers, LLC	Granted	
TWANTE SAME	20080902	20050621			
CROSSED-LINKED PULP AND METHOD OF MAKING SAME	6620293	09/832634	Rayonier Performance Fibers, LLC	Granted	
	20030916	20010411	,		
CROSSED-LINKED PULP AND METHOD OF MAKING SAME	7018511	10/272418	Rayonier Performance Fibers, LLC	Granted	
	20060328	20021016	,		
CROSS-LINKED CELLULOSE FIBERS AND METHOD OF MAKING SAME	7195695	10/677811	Rayonier Performance Fibers, LLC	Granted	
JAIVIE	20070327	20031002	,		
CROSS-LINKED PULP SHEET	7288167	11/332559	Rayonier Performance Fibers, LLC	Granted	
	20071030	20060113	,		
HYDROGEL FORMING MATERIAL FROM BYPRODUCT PULP FINES	9382337	14/565029	Rayonier Performance Fibers, LLC	Granted	
	20160705	20141209			
LIQUID DISTRIBUTION MAT MADE OF ENHANCED CELLULOSIC FIBERS	7686921	11/414218	Rayonier Performance Fibers, LLC	Granted	
LIDEIVO	20100330	20060501			

Title	Patent No. / Date	App. No. / Filed	Owner	Status
METHOD OF MAKING A PULP SHEET OF ODOR-INHIBITING ABSORBENT FIBERS	8574683	13/398501	Rayonier Performance Fibers, LLC	Granted
	20131105	20120216		
PLASTICIZING FORMULATION FOR FLUFF PULP AND PLASTICIZED FLUFF PULP PRODUCTS MADE THEREFROM	7854822	11/001566	Rayonier Performance Fibers, LLC	Granted
	20101221	20041202		
PROCESS FOR MAKING HYDROGELS FROM HEMICAUSTIC BYPRODUCT	9650742	14/566986	Rayonier Performance Fibers, LLC	Granted
	20170516	20141211		
SPECIALTY PULP WITH HIGH INTRINSIC VISCOSITY	N/A	15/353390	Rayonier Performance Fibers, LLC	Pending
		20161116		
SUPERABSORBENT CELLULOSIC FIBER AND METHOD OF MAKING SAME	6844066	10/440360	Rayonier Performance Fibers, LLC	Granted
	20050118	20030519		
TREATMENT COMPOSITION FOR MAKING ACQUISITION FLUFF PULP IN SHEET FORM	7312297	11/058213	Rayonier Performance Fibers, LLC	Granted
	20071225	20050216		

Trademarks and Trademark Applications

Trademarks and Trademark appreciations					
Trademark	Reg. No. / Date	App. No. / Filed	Owner	Status	
OPTISILK	N/A	87081380	Rayonier Performance Fibers, LLC	Pending (ITU)	
		23-JUN-2016			
RYAM	N/A	87621194	Rayonier Advanced Materials Inc.	Pending (ITU)	
		25-SEP-2017			
SPINPURE	N/A	87081445	Rayonier Performance Fibers, LLC	Pending (ITU)	
		23-JUN-2016			

RECORDED: 11/22/2017