

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARKUS NUOPPONEN	07/08/2015
MONIKA OSTERBERG	06/30/2015
JANNE LAINE	07/01/2015
JAAKKO PERE	08/03/2015
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15065203
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<b>NAME OF SUBMITTER:</b>	ELIZABETH W. BAIO
<b>SIGNATURE:</b>	/Elizabeth W. Baio, Reg. No. 62744/
<b>DATE SIGNED:</b>	03/17/2016
<b>Total Attachments: 5</b>	
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### ASSIGNMENT

WHEREAS, WE, **Markus Nuopponen, Monika Osterberg, Janne Laine and Jaakko Pere**, have invented certain new and useful improvements in **METHOD FOR PRETREATING CELLULOSE PULP**, for which we have executed an application for Letters Patent in the United States, filed as **United States Serial No. 14/376,875** filed on August 6, 2014 which is a 371 National Stage Application of PCT/FI2013/050150 filed on February 11, 2013, which claims benefit of FI Patent Application No. 20125146 filed on February 10, 2012 and naming us as inventors;

AND WHEREAS, **UPM-Kymmene Corporation**, with its principal place of business at Alvar Aallon katu 1, Helsinki FI, FI-00100, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **UPM-Kymmene Corporation**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents 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 all Letters Patent for said improvements to the said **UPM-Kymmene Corporation**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said **UPM-Kymmene Corporation**, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **UPM-Kymmene Corporation**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

**ASSIGNOR(S)**

IN TESTIMONY WHEREOF, I, **Markus Nuopponen**, hereunto set my signature this 8 day of July, 2015.


  
**Markus Nuopponen**

WITNESS BLOCK, IF REQUIRED (FOR OUT OF COUNTRY INVENTORS):

Witness Signature:

Date: 8.7.2015


Printed Name:

  
JOUNI HAAVISTO

IN TESTIMONY WHEREOF, I, **Monika Osterberg**, hereunto set my signature this 30 day of June, 2015.

  
\_\_\_\_\_  
**Monika Osterberg**

WITNESS BLOCK, IF REQUIRED (FOR OUT OF COUNTRY INVENTORS):

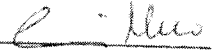
Witness Signature:  Date: 30.6.2015  
Printed Name: JUAN JOSE VALLE DELGADO

IN TESTIMONY WHEREOF, I, **Janne Laine**, hereunto set my signature this 1 day of July, 2015.

  
\_\_\_\_\_  
**Janne Laine**

WITNESS BLOCK, IF REQUIRED (FOR OUT OF COUNTRY INVENTORS):

Witness Signature:

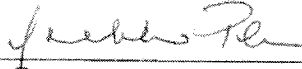
  
\_\_\_\_\_

Date: 1.7.2015

Printed Name:


Sanni Meru

IN TESTIMONY WHEREOF, I, **Jaakko Pere**, hereunto set my signature this 3<sup>rd</sup> day of August, 2015.

  
\_\_\_\_\_  
**Jaakko Pere**

WITNESS BLOCK, IF REQUIRED (FOR OUT OF COUNTRY INVENTORS):

Witness Signature:

  
\_\_\_\_\_

Date:

3.8.2015

Printed Name:

MATTI SIUK-AHO