PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
HARRI KIISKINEN	04/14/2016
ESA TORNIAINEN	03/29/2016
KARITA KINNUNEN	03/29/2016

RECEIVING PARTY DATA

Name:	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY
Street Address:	VUORIMIEHENTIE 3
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02150

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15021708

CORRESPONDENCE DATA

Fax Number: (646)666-4316

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: 5712814850

Email:posti@seppolaine.fiCorrespondent Name:SEPPO LAINE OYAddress Line 1:ITÄMERENKATU 3 A

Address Line 4: HELSINKI, FINLAND 00180

ATTORNEY DOCKET NUMBER:	VTT 393 US
NAME OF SUBMITTER:	MATTHEW A. SWANSON
SIGNATURE:	/Matthew A. Swanson Reg. No. 73276/
DATE SIGNED:	06/22/2016

Total Attachments: 4

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PATENT 503882530 REEL: 038978 FRAME: 0802

SEPPO LAINE OY

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 15/021,708

Filed: September 15, 2014

Insert Name(s) of Inventor(s)

(Given Name FAMILY NAME (ALL CAPS))

WHEREAS, KIISKINEN, Harri TORNIAINEN, Esa KINNUNEN, Karita

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title of Invention

Method of forming a fibrous product

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of Signing of Application

2016-04-14

g and

Insert Name of Assignee

WHEREAS, Teknologian tutkimuskeskus VTT Ov

Insert Address of Assignee

of Vuorimiehentie 3, 02150 Espoo, Finland

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of sequiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefore in the United States of America and

CHECK BOX IF APPROPRIATE in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid or other previous agreed upon amount, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefore in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Suppo Laine Oy

MS/ rw

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Seppo Laine Oy 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 14, 2016	Name of Inventor	(signature) KIIS	KINEN, Harri		
Dates	Name of Inventor	(signature) TOR	NIAINEN, Esa		
Date	Name of Inventor	(signature) KIN	NUNEN, Karita		
Date	Name of Inventor	(signature)			*******
Date	Name of Inventor	(signature)			
Date	Name of Inventor	(signature)			
Date	Name of Inventor	(signature)	·······		
Seppo Laine Oy				MS/ rw	
				03-2012	

PATENT REEL: 038978 FRAME: 0804

SEPPO LAINE OY

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.15/021,708

Filed: September 15, 2014

Insert Name(s) of Inventor(s)

*** (Given Name FAMILY NAME (ALL CAPS))***

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for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of Signing of Application

2016-04-14

and

Insert Name of Assignee

WHEREAS. Teknologian tutkimuskeskus VTT Oy

Insert Address of Assignee

of Vuorimiehentie 3, 02150 Espoo, Finland

its hoirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefore in the United States of America and

CHECK BOX
IF APPROPRIATE

in any foreign countries.

NOW, THEREFORE in consideration of the sum of Ten Dellars (\$10.00) to the undersigned in hand paid or other previous agreed upon amount, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefore in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Seppo Laine Oy

MS/ rw

PATENT REEL: 038978 FRAME: 0805 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the international Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

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The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	Name of Inventor	
		(signature) KIISKINEN, Harrí
* DESCRIPTION OF THE PROPERTY	Name of Inventor	Q2(<u>)</u>
		(signature) TORNIAINEN, Esa
Date29_3_2016	Name of Inventor	(signature) KINNUNEN, Karita
		(signature) KINNUNEN, Karita
Pioro	Name of Inventor	
Date	TVILLE OF INTOUCE.	(signature)
Date	Name of Inventor	
		(signature)
Yn .	N/ 18Y	
Date		(signature)
Date	Name of Inventor	
***************************************		(signature)
Seppo Laine Oy		MS/ rw
		03-2012

PATENT REEL: 038978 FRAME: 0806