

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT																		
EFFECTIVE DATE:	07/07/2010																		
CONVEYING PARTY DATA																			
<table border="1"> <tr> <th>Name</th> <th>Execution Date</th> </tr> <tr> <td>M-Real OYJ</td> <td>07/01/2013</td> </tr> </table>		Name	Execution Date	M-Real OYJ	07/01/2013														
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RECEIVING PARTY DATA																			
<table border="1"> <tr> <td>Name:</td> <td>Sappi Netherlands Services BV</td> </tr> <tr> <td>Street Address:</td> <td>Biesenweg 16</td> </tr> <tr> <td>City:</td> <td>Maastricht</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>NL-6211AA</td> </tr> </table>		Name:	Sappi Netherlands Services BV	Street Address:	Biesenweg 16	City:	Maastricht	State/Country:	NETHERLANDS	Postal Code:	NL-6211AA								
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PROPERTY NUMBERS Total: 8																			
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CORRESPONDENCE DATA																			
Fax Number:	6108614619																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	610-861-4982																		
Email:	leon.nigohosian@mineralstech.com																		
Correspondent Name:	Leon Nigohosian, Jr.																		

CH \$320.00 11922595

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Address Line 4: Bethlehem, PENNSYLVANIA 18017

ATTORNEY DOCKET NUMBER: M-REAL TO SAPPI ASSIGN.

NAME OF SUBMITTER: Leon Nigohosian, Jr.

Signature: /Leon Nigohosian, Jr./

Date: 09/17/2013

**Total Attachments: 9**

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### SCHEDULE III

#### Exhibit A-2

#### PATENT ASSIGNMENT

This PATENT ASSIGNMENT is given effective as of ~~July 2010~~ <sup>7 July 2010</sup> by and between M-Real OYJ, a company incorporated in Finland whose registered office is at Revontulentie 6, FI-02100 Espoo, Finland (PO Box 20, FI-02020 Metsä, Finland) (registered in Finland with Business ID 0635366-7 and now known as Metsä Board OYJ whose registered office is at Revontulenpuisto 2, FI-02100 Espoo, Finland (PO Box 20, FI-02020 Metsä, Finland) and of the same and of the same Business ID (the "Assignor"), and Sappi Netherlands Services BV having its registered seat at Biesenweg 16 NL-6211AA Maastricht (hereinafter the "Assignee").

WHEREAS under a Patent of Acquisition Agreement effective 7<sup>th</sup> day of July 2010, Assignor has agreed to sell, transfer and assign all its right, title and interest in and to the patents and patent applications set forth on the attached Schedule I (all of which are collectively referred to hereinafter as the "Patents") to Assignee.

WHEREAS this Patent Assignment makes of record the prior acquisition by Sappi Netherlands Services BV from M-Real OYJ (now Metsä Board OYJ) of all right, title, and interest to the Patents under said Patent Acquisition Agreement effective the 7 day of July 2010 between the Parties hereto, which right, title, and interest are being subsequently conveyed in their entirety by Sappi Netherlands Services BV to Minteq UK Limited by a separate Patent Assignment entered into by and between them and contemporaneously executed herewith.

NOW, THEREFORE, in consideration of the mutual promises set forth herein and in an agreement between the Assignor and Assignee, the parties hereby agree as follows:

Assignor has sold, assigned, and transferred and does hereby sell, assign and transfer unto Assignee, its successors and assigns, Assignor's entire right, title and interest in and to the Patents and any divisions or continuations thereof, and the inventions therein disclosed, and any patent or patents that may be issued or reissued thereon and Assignor further conveys all of Assignor's rights under any claim, including all causes of action for infringement, which arose at any time prior and up to the conveyance of said Patents to Assignee under this Patent Assignment.

Assignor acknowledges that from time to time after the date of execution of this Patent Assignment and upon request by Assignee, Assignor will cooperate with Assignee to execute such further conveyance instruments as may be reasonably necessary or desirable in order to evidence more fully the transfer of ownership of the Patents to Assignee or to record title to the Patents with the appropriate authorities throughout the world. Assignor further agrees to provide testimony in connection with any proceeding affecting the right, title, interest or benefit of Assignee in and to the Patents and to perform any other acts deemed reasonably necessary to carry out the intent of this Patent Assignment. Assignee shall reimburse Assignor for costs reasonably incurred by Assignor in performance under this paragraph.

IN WITNESS WHEREOF, each party has caused its authorized representative to execute or acknowledge this Assignment.

Assignor:  
Metsä Board OYJ

Name: Seili Hietanen

*Mark*

By: Seili Hietanen

*Mathi Mörsky*

Title: SRP Pump Sales & Projects CFO

Witnessed: Mia Huoma

Assignee  
SAPPI Netherlands Services BV

Name: B. J. Wiersum

By: *[Signature]*

Title: MANAGING DIRECTOR

Witnessed: Angelica Dellouche  
ASSISTANT GENERAL COUNSEL  
STPE

**SCHEDULE I**  
**ASSIGNED PATENTS**

WO2002/092909 and all patents and patent applications corresponding thereto, including the following:		
Finland	FI 117870 B	Coated fibrous web and process for the production thereof
Australia	AU 2002247793	Coated fibrous web and process for the production thereof
Canada	CA 2444085	Coated fibrous web and process for the production thereof
China	CN 100519936 C	Coated fibrous web and process for the production thereof
Europe	EP 1392920 B1	Coated fibrous web and process for the production thereof
Switzerland	EP 1392920 (CH)	Coated fibrous web and process for the production thereof
Germany	DE 60242449.6	Coated fibrous web and process for the production thereof
Finland	EP 1392920 (FI)	Coated fibrous web and process for the production thereof
France	EP 1392920 (FR)	Coated fibrous web and process for the production thereof
Great Britain	EP 1392920 (GB)	Coated fibrous web and process for the production thereof
Netherlands	EP 1392920 (NL)	Coated fibrous web and process for the production thereof
New Zealand	NZ 529161	Coated fibrous web and process for the production thereof

WO1997/001670 and all patents and patent applications corresponding thereto, including the following:		
Finland	FI 100729 B	Filler for use in paper manufacture and procedure for producing a filler
Australia	AU 699733 B2	Filler for use in paper manufacture and procedure for producing a filler
Canada	CA 2223955 C	Filler for use in paper manufacture and procedure for producing a filler
Europe	EP 0835343 B1	Filler for use in paper manufacture and procedure for producing a filler

Austria	AT 205562 T	Filler for use in paper manufacture and procedure for producing a filler
Belgium	EP 0835343 (BE)	Filler for use in paper manufacture and procedure for producing a filler
Switzerland	EP 0835343 (CH)	Filler for use in paper manufacture and procedure for producing a filler
Germany	DE 69615192 T2	Filler for use in paper manufacture and procedure for producing a filler
Denmark	EP 0835343 (DK)	Filler for use in paper manufacture and procedure for producing a filler
Spain	EP 0835343 (ES)	Filler for use in paper manufacture and procedure for producing a filler
France	EP 0835343 (FR)	Filler for use in paper manufacture and procedure for producing a filler
Great Britain	EP 0835343 (GB)	Filler for use in paper manufacture and procedure for producing a filler
Greece	EP 0835343 (GR)	Filler for use in paper manufacture and procedure for producing a filler
Ireland	EP 0835343 (IE)	Filler for use in paper manufacture and procedure for producing a filler
Italy	EP 0835343 (IT)	Filler for use in paper manufacture and procedure for producing a filler
Luxembourg	EP 0835343 (LU)	Filler for use in paper manufacture and procedure for producing a filler
Netherlands	EP 0835343 (NL)	Filler for use in paper manufacture and procedure for producing a filler
Portugal	EP 0835343 (PT)	Filler for use in paper manufacture and procedure for producing a filler
Sweden	EP 0835343 (SE)	Filler for use in paper manufacture and procedure for producing a filler
New Zealand	NZ 311044	Filler for use in paper manufacture and procedure for producing a filler
USA	US 6251222 B1	Filler for use in paper manufacture and procedure for producing a filler
USA	US 6375794 B2	Filler for use in paper manufacture and procedure for producing a filler
USA	US 6599391 B2	Filler for use in paper manufacture and procedure for producing a filler

WO2006/136651 and all patents and patent applications corresponding thereto, including the following:

Finland	FI 122674 B	Method of producing a fibrous web
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Brazil	PI 06122787 (Pending Application)	Method of producing a fibrous web
Canada	CA 2611272 (Pending Application)	Method of producing a fibrous web
China	CNZL 200680022555.X (Pending Application)	Method of producing a fibrous web
Europe	EP 067644484 (EP 1893807) (Pending Application)	Method of producing a fibrous web
India	4784/KOLNP/2007 (Pending Application)	Method of producing a fibrous web
Japan	JP 5033125	Method of producing a fibrous web
Russia	RU 2393285	Method of producing a fibrous web
USA	US 11/922595 (Pending Application)	Method of producing a fibrous web

WO2002/090652 and all patents and patent applications corresponding thereto, including the following:

Finland	FI 117873 B	Fibrous web and process for the preparation thereof
Australia	AU 2002247795	Fibrous web and process for the preparation thereof
Canada	CA 2444795 (Pending Application)	Fibrous web and process for the preparation thereof
China	CN 1279243 C	Fibrous web and process for the preparation thereof
Europe	EP 027168723 (Pending Application) (EP 1392922)	Fibrous web and process for the preparation thereof
Japan	JP 5064644	Fibrous web and process for the preparation thereof
New Zealand	NZ 541156	Fibrous web and process for the preparation thereof
USA	US 13/676418 (Pending Application)	Fibrous web and process for the preparation thereof

WO2002/086238 and all patents and patent applications corresponding thereto, including the following:

Finland	FI 117872 B	Filler and a process for the production
Australia	AU 2002247794	Filler and a process for the production
Canada	CA 2444011	Filler and a process for the production
China	CN 100396847 C	Filler and a process for the production
Europe	EP 1392921 B1	Filler and a process for the production
Austria	AT 319878T	Filler and a process for the production
Switzerland	EP 1392921 (CH)	Filler and a process for the production
Germany	DE 60209700 T2	Filler and a process for the production
France	EP 1392921 (FR)	Filler and a process for the production
Great Britain	EP 1392921 (GB)	Filler and a process for the production
Sweden	EP 1392921 (SE)	Filler and a process for the production
Japan	JP 4133343	Filler and a process for the production
New Zealand	NZ 529164	Filler and a process for the production
USA	US 7083703 B2	Filler and a process for the production

WO2004/038100 and all patents and patent applications corresponding thereto, including the following:

Finland	FI 115475 B	Method for manufacturing paper and board
China	CN 100585074 C	Method for manufacturing paper and board
Europe	EP 037581683 (Pending Application) (EP 1560983)	Method for manufacturing paper and board
Japan	JP 5143339	Method for manufacturing paper and board
USA	US 10/532085 (Pending Application)	Method for manufacturing paper and board

WO2004/038101 and all patents and patent applications corresponding thereto, including the following:

Finland	FI 122074 B	Method for producing fibre product
Canada	CA 2502497	Method for producing fibre product
China	CN 100516362 C	Method for producing fibre product
Europe	EP 1558813 B1	Method for producing fibre product
Switzerland	EP 1558813 (CH)	Method for producing fibre product
Germany	DE 60342315.9	Method for producing fibre product
Finland	EP 1558813 (FI)	Method for producing fibre product



France	EP 1558813 (FR)	Method for producing fibre product
Great Britain	EP 1558813 (GB)	Method for producing fibre product
Netheriands	EP 1558813 (NL)	Method for producing fibre product
Japan	JP 2010216146 (Pending Application)	Method for producing fibre product
USA	US 12/805483 (Pending Application)	Method for producing fibre product

WO2003/035979 and all patents and patent applications corresponding thereto, including the following:		
Finland	FI 117715 B	Method for manufacturing filler containing chemical pulp
Australia	AU 2002335317	Method for manufacturing filler containing chemical pulp
China	CN 1318693 C	Method for manufacturing filler containing chemical pulp
Europe	EP 1448851 B1 and national patents derived therefrom in AT, CZ, FI, FR, DE, IT, PT, SK, ES, SE, TR	Method for manufacturing filler containing chemical pulp
New Zealand	NZ 532431	Method for manufacturing filler containing chemical pulp

EP 0935020 A1 and all patents and patent applications corresponding thereto, including the following:		
Finland	FI 108238 B	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Australia	AU 741861	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Canada	CA 2260537	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Europe	EP 0935020 B1	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Austria	AT 246285 T	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil

Belgium	EP 0935020 (BE)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Switzerland	EP 0935020 (CH)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Germany	DE 69909857 T2	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Spain	EP 0935020 (ES)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
France	EP 0935020 (FR)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Great Britain	EP 0935020 (GB)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Italy	EP 0935020 (IT)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
Sweden	EP 0935020 (SE)	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil
New Zealand	NZ 333865	Noil for use in paper manufacture, method for its production and paper pulp and paper containing such noil

EP 0930345 A1 and all patents and patent applications corresponding thereto, including the following:		
Finland	FI 106140 B	Filler for use in paper manufacture and method for producing it
Australia	AU 739447	Filler for use in paper manufacture and method for producing it
Canada	CA 2254268	Filler for use in paper manufacture and method for producing it
Europe	EP 0930345 B1	Filler for use in paper manufacture and method for producing it
Austria	AT 246224 T	Filler for use in paper manufacture and method for producing it
Belgium	EP 0930345 (BE)	Filler for use in paper manufacture and method for producing it
Switzerland	EP 0930345 (CH)	Filler for use in paper manufacture and method for producing it

Germany	DE 69816774 T2	Filler for use in paper manufacture and method for producing it
Spain	EP 0930345 (ES)	Filler for use in paper manufacture and method for producing it
France	EP 0930345 (FR)	Filler for use in paper manufacture and method for producing it
Great Britain	EP 0930345 (GB)	Filler for use in paper manufacture and method for producing it
Italy	EP 0930345 (IT)	Filler for use in paper manufacture and method for producing it
Sweden	EP 0930345 (SE)	Filler for use in paper manufacture and method for producing it
New Zealand	NZ 332838	Filler for use in paper manufacture and method for producing it
USA	US 6156118	Filler for use in paper manufacture and method for producing it