502198904 01/17/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| Erkki likka Sakari Rasanen | 12/03/2012 |
| Leif Robertsen | 12/17/2012 |
| Veli-Matti Vuorenpalo | 12/17/2012 |
| Asko Karppi | 12/13/2012 |
| Kari Parviainen | 01/14/2013 |
| Olli Dahl | 01/11/2013 |
| Kari Vanhatalo | 01/14/2013 |

RECEIVING PARTY DATA

| Name: | KEMIRA OYJ | |
|-----------------------|-----------------|--|
| Street Address: | Porkkalankatu 3 | |
| City: | Helsinki | |
| State/Country: | FINLAND | |
| Postal Code: FI-00180 | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13697729 |

CORRESPONDENCE DATA

Fax Number: 7709510933

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 770-933-9500

Email: sara.rogers@thomashorstemeyer.com

Correspondent Name: Thomas Horstemeyer/Kemira
Address Line 1: 400 Interstate North Parkway

Address Line 2: Suite 1500

502198904

Address Line 4: Atlanta, GEORGIA 30339

ATTORNEY DOCKET NUMBER: 221105-1985

REEL: 029650 FRAME: 0157

PATENT

P \$40.00 13697729

| NAME OF SUBMITTER: | Christopher B. Linder | | |
|---------------------------|-----------------------|--|--|
| Total Attachments: 9 | | | |
| source=01776502#page1.tif | | | |
| source=01776502#page2.tif | | | |
| source=01776502#page3.tif | | | |
| source=01776502#page4.tif | | | |
| source=01776502#page5.tif | | | |
| source=01776502#page6.tif | | | |
| source=01776502#page7.tif | | | |
| source=01776502#page8.tif | | | |
| source=01776502#page9.tif | | | |

Docket No. 221105-1985 Page 1 of 9 (Patent Assignment)

ASSIGNMENT OF UTILITY PATENT APPLICATION

WHEREAS, the following parties:

Name Address

Erkki likka Sakari Rasanen
Leif Robertsen
Veli-Matti Vuorenpalo
Asko Karppi
Kari Parviainen
Olli Dahl
Hitsaajankatu 13 C 63, FI-00810 Helsinki, FI
Isokaarre 2, FI-21600 Parainen, FI
Nissinmaentie 10 As 11, FI-02780 Espoo, FI
Solmukatu 18, FI-20540 Turku, FI
Linnustajankuja 1 C 16, FI-02940 Espoo, FI
Mutkaton 2, FI-12400 Tervakoski, FI

Kari Vanhatalo Abrahaminkatu 8 C 67, FI-00180 Helsinki FI

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

MANUFACTURING OF MICROCELLULOSE

| which was: | |
|-------------|---|
| | executed on even date herewith, |
| | filed with the United States Patent and Trademark Office (USPTO) on and assigned Serial No. , and |
| \boxtimes | further described in PCT/FI11/050523, in ternational filing date 6 June 2011, which claims priority to and the benefit of Finland Application No. 20105639, |
| | filing date 07 June 2010. |

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, KEMIRA OYJ having a place of business at Porkkalankatu 3, FI-00180 Helsinki, Finland, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all

Docket No. 221105-1985 Page 2 of 9 (Patent Assignment)

countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

Docket No. 221105-1985 Page 3 of 9 (Patent Assignment)

Erkki likka Sakari Rasanen

Date: 3 12, 2012

Date: 3.12.2012

Date: 3 12 2012

Witness RHTTA MELA

Henra Rangell
Witness HENNA RANGELL

Docket No. 221105-1985 Page 4 of 9 (Patent Assignment)

Date 17.12 2017

Date: 17/2 2012

Date: 17.12, 2012

Leif Robertsen

Witness MARI ZABIHIAN

Witness MARIANNA VUORIKARI

Docket No. 221105-1985 Page 5 of 9 (Patent Assignment)

Date: 17.12.2012

Date: 17.12.2012

Veli-Matti Vuorenpalo

Herria Rangell

Witness HENNA RANGELL

Witness LEENA YLÄNEN

Docket No. 221105-1985 Page 6 of 9 (Patent Assignment)

Date: ____/3.12.2012 Herma Rangell
Witness HENNA RANGELL Cera Glanel Witness LEENA YLÄNEN

Date: 13.12.2012

Docket No. 221105-1985 Page 7 of 9 (Patent Assignment)

Kari Parviainen

Date: 141.1.2013

Date: 14.1.2013

Witness

Docket No. 221105-1985 Page 8 of 9 (Patent Assignment)

| | | Oll. Duhf |
|-------|------------|--------------|
| | | Olli Dahl |
| Date: | 11.1.2013 | |
| | | lonsta Hagur |
| Date: | 11.1.2013 | Witness |
| • | | Jasens Sori |
| | 11.1. 2013 | Witness |

Docket No. 221105-1985 Page 9 of 9 (Patent Assignment)

Kari Vanhatalo

19 1 2019

Date: 14.1, 2013

Nam Valimataio

Witness

Witness

PATENT REEL: 029650 FRAME: 0167

RECORDED: 01/17/2013