PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL MISSALLA	04/30/2010
EDGAR GASAFI	03/31/2010
JEAN CLAUDE HEIN	04/01/2010
ANDREAS ORTH	04/22/2010
JEAN-PAUL NEPPER	04/01/2010

RECEIVING PARTY DATA

Name:	OUTOTEC OYJ
Street Address:	RIIHITONTUNTIE 7
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02200

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14452570

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	814599
NAME OF SUBMITTER:	ERIK R. SWANSON
SIGNATURE:	/Erik R. Swanson/
DATE SIGNED:	08/07/2014

Total Attachments: 3

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PATENT REEL: 033481 FRAME: 0851 source=executedAssignment#page2.tif
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PATENT REEL: 033481 FRAME: 0852

Attorney Docket No.: 20941/0213380-US0

ASSIGNMENT

- I, Michael Missalla, a citizen of Germany, residing at Kleine Schmieh 34; 61440 Oberursel: GERMANY; and
- I, Edgar Gasafi, a citizen of Germany, residing at Am Stadtgarten 9; 76137 Karlsruhe; GERMANY; and
- I, Jean Claude Hein, a citizen of Germany, residing at Schoene Aussicht 14; 61194 Niddatal: GERMANY; and
- I, Andreas Orth, a citizen of Germany, residing at Obere Roemerhofstrasse 132; 61381 Friedrichsdorf; GERMANY; and
- 1. Jean-Paul Nepper, a citizen of Germany, residing at Obere Roemerhofstrasse 51; 61381 Friedrichsdorf; GERMANY;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

Outotee Oyj

a Corporation organized under the laws of Finland, located at Riihitontuntie 7, 02200 Espoo, FINLAND (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

PROCESS AND PLANT FOR THE THERMAL TREATMENT OF FINE-GRAINED SOLIDS

invented by me and described in Patent Application No. 12/675,448, filed on February 26, 2010, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, including the right to sue

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for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof:

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

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Attorney Docket No.: 20941/0213380-US0

Dated: 30.04 2010

Dated: 18 65 2010

Dated: 01.04.2010

Dated: 22 - 04 2010

Dated: 01. 05. 2510

Michael Missalla, Inventor

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Jean Claude Hein. Inventor

Andreas Orth, Inventor

Jean-Paul Nepper, Inventor

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PATENT REEL: 033481 FRAME: 0855