

## 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>
	JUKKA PIRTINIEMI	10/26/2016
	ESA PORKKA	10/27/2016
	NIKOLAI VATANSKI	11/01/2016
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<b>Postal Code:</b>	FI-02230	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15305250	
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<b>SIGNATURE:</b>	/Robert P. Michal/	
<b>DATE SIGNED:</b>	11/08/2016	
<b>Total Attachments: 2</b>		
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PATENT

For: ☒ U.S. and/or ☒ Foreign Rights  
 For: ☒ U.S. Application or ☐ U.S. Patent  
 By: ☒ Inventor(s) or ☐ Present Owner

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, hereby sells, assigns and transfers to

ASSIGNEE:

OUTOTEC (Finland) OY  
 (Type or print name of ASSIGNEE)

Rauhalaanpuisto 9,  
FI-02230 Espoo,  
Finland  
 Address

Finnish  
 Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest for the United States and its territorial possessions

☐ and in all foreign countries, including all rights to claim priority,  
 in and to any and all improvements which are disclosed in the invention entitled:

A METHOD AND AN ARRANGEMENT FOR DETERMINING A DEGREE OF FULLNESS OF  
A LARGE GRINDING MILL DRUM, AND A LARGE GRINDING MILL DRUM  
 (title of invention)

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith.
- (b) ☐ U.S. patent application executed on \_\_\_\_\_.
- (c) ☐ U.S. application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.
- (d) ☐ U.S. provisional application No. \_\_\_\_\_ filed on \_\_\_\_\_.
- (e) ☐ U.S. Patent No. \_\_\_\_\_ issued \_\_\_\_\_.
- (f) ☒ PCT application No. PCT/FI2015/050288  
 filed on \_\_\_\_\_.
- ☐ A change of address to which correspondence is to be sent regarding  
 patent maintenance fees is being sent separately.

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this ..... (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

  
Jukka PIRTINIEMI

October 26, 2016  
Dated

  
Esa PORKKA

October, 27, 2016  
Dated

  
Nikolai VATANSKI

November, 01, 2016  
Dated

If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

[ ] Notarization or Legalization Page Added.