504019074 09/23/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4065731

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LARS GRÖNVALL	08/02/2012
PEKKA SIITONEN	08/08/2012
MIKKO KAIPIAINEN	07/30/2012
JARI LIIMATAINEN	08/08/2012

RECEIVING PARTY DATA

Name:	METSO MINERALS (WEAR PROTECTION) AB	
Street Address:	P.O BOX 74	
City:	TRELLEBORG	
State/Country:	SWEDEN	
Postal Code:	231 21	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15148413

CORRESPONDENCE DATA

Fax Number: (414)271-5770

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: 414-271-7590

Email: jennyf@andruslaw.com

Correspondent Name: ANDRUS INTELLECTUAL PROPERTY LAW, LLP

Address Line 1: 100 EAST WISCONSIN AVENUE

Address Line 2: SUITE 1100

Address Line 4: MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER:	5002-00036
NAME OF SUBMITTER:	JOSEPH D. KUBORN
SIGNATURE:	/Joseph D. Kuborn/
DATE SIGNED:	09/23/2016

Total Attachments: 5

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PATENT 504019074 REEL: 039840 FRAME: 0887

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> PATENT REEL: 039840 FRAME: 0888

ASSIGNMENT

Attorney Docket No. 5002-00010

Inventors: Lars Grönvall, Pekka Siitonen, Mikko Kaipiainen, Jari Liimatainen

Title: BIMATERIAL ELONGATED INSERT MEMBER FOR A GRINDING ROLL

WHEREAS, we, Lars Grönvall, of Granlundagatan 17 A, Trelleborg, Sweden 231 55, Pekka Siitonen, of Sääksjärventie 9, Lempäälä, Finland 33880, Mikko Kaipiainen, of Pättiniemenkatu 11 A2, Tampere, Finland 33270, and Jari Liimatainen, of Ansiokatu 5, Tampere, Finland 33240, have invented certain new and useful improvements as described in an application entitled Bimaterial Elongated Insert Member For A Grinding Roll for Letters Patent of the United States, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 13/516,273 filed June 15, 2012; and

WHEREAS, Metso Minerals (Wear Protection) AB, a corporation organized and existing under the laws of Sweden, and having offices at P.O. Box 74, Trelleborg, Sweden 231 21, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for goods and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and we authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, it successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with the Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant,

and render all assistant in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

Inventor:	ale	Date: 12 08 02
Witnessed by:	Lars Grönvall Signature	Date: 272-08-02
Witnessed by:	Nina Milanov Printed Name of Witness Whole sow Signature BirqiHa Sven450 w	Date: August 2, 2012
Inventor:	Printed Name of Witness Pekka Siitonen	Date:
Witnessed by:	Signature	Date:
Witnessed by:	Printed Name of Witness Signature	Date:
	Printed Name of Witness	

and render all assistant in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

Inventor:		Date:
-2008(24)	Lars Grönvall	
Witnessed by:	Signature	Date:
	Printed Name of Witness	
Witnessed by:	Signature	Date:
	Printed Name of Witness	
Inventor:	Pekka Siitonen	Date: <u>68,08,2012</u>
Witnessed by	Signature	Date: 08.08, 2012
	Printed Name of Witness	
Witnessed by	: Main-I-S Signature	Date: 8.8.2012
	Maga-Lüss Jarvinen Printed Name of Witness	
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Inventor:	Mikko Kaipiainen	Date: 30.7.2012
Witnessed by:	Je Pelas Signature	Date: 0808,2012
Witnessed by:	Printed Name of Witness Mayate Signature Marja-Lusa Jarvinen Printed Name of Witness	Date: 30.7.2012
Inventor:	Jari Liimatainen	Date:
Witnessed by	Signature	Date:
	Printed Name of Witness	
Witnessed by	Signature	Date:
	Printed Name of Witness	

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Kaipiainen	
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