PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3992814

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONI SILVO	06/01/2016
MATTI PEKKARINEN	05/31/2016
JACK HOOVER	05/31/2016
MATS ÅKESSON	05/31/2016
MATTI KUMPULAINEN	06/23/2016
JYRKI SAVELA	07/13/2016

RECEIVING PARTY DATA

Name:	KONECRANES GLOBAL CORPORATION
Street Address:	KONEENKATU 8
City:	HYVINKÄÄ
State/Country:	FINLAND
Postal Code:	FI-05830

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15035437

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	0837-0418PUS1
NAME OF SUBMITTER:	TAN T. TU
SIGNATURE:	/Tan T. Tu/
DATE SIGNED:	08/03/2016

Total Attachments: 7

PATENT REEL: 039343 FRAME: 0149

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PATENT REEL: 039343 FRAME: 0150

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UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Applicatior No.:	n15/035,437	Filed:	May 09 , 2016		
Insert Name(s of Inventor(s)	***(Given Name FAMILY NAM ⁸⁾ WHEREAS, Joni SILVO, Ma Jyrki SAVELA (hereinafter designated as the	tti PEKKARIN		ÅKESSON , Matti KUMPULA new and useful improvements in	
Insert Title of Invention	MONITORING CONDITION	OF ELONGAT	TED FERROUS OBJECT HAV	VING A LONGITUDINAL AXI	S
	for which an application for undersigned (except in the case			America has been executed	by the
Insert Date of Signing of Appln,	onNovember 26, 201	4; Novembe	er 27, 2014 and Decembe	r 08, 2014	; and
Insert Name of Assignee	WHEREAS, KONECRANES G	LOBAL CORI	PORATION		
insert Address of Assignee	s of Koneenkatu 8, FI-05830 Hy	vinkää, Finlan	d,		
		and interest ir	and to said invention and ir	gnated as the Assignee) is desing and to any Letters Patent(s) th	
Check Box if Appropriate	in any foreign countries.				
	undersigned has (have) sold, a unto said Assignee the full a territories, dependencies and p Patent(s) which may be grant possessions, and if the box abo	ssigned and to nd exclusive possessions ar red therefor in ove is designa	ransferred, and by these pres right to the said invention and the entire right, title and an the United States of Amer ted, in any and all foreign co	of which is hereby acknowledgents does (do) sell, assign and to in the United States of Amerinterest in and to any and all rica, its territories, dependenci ountries; and to any and all diverm or terms for which the san	ransfer rica, its Letters les and visions,

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Attorney Docket No.: 0837-0418PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date Jone 1,	2016 Name of Inventor	1-Sil
	Name of	(Signature) Joni SILVO
Date	Inventor	(Signature) Matti PEKKARINEN
Date	Name of Inventor	(Signature) Jack HOOVER
Date	Name of Inventor	(Signature) Mats ÅKESSON
Date	Name of Inventor	(Signature) Matti KUMPULAINEN

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Page 2

Attorney Docket No.: 0837-0418PUS1

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Date	Name of Inventor	
Date 1/29 31 th, 2016	Name of Inventor	(Signature) John SILVO Juli
Date	Name of Inventor	(Signature) Jack HOOVER
Date	Name of Inventor	(Signature) Mats ÅKESSON
Date	Name of Inventor	(Signature) Matti KUMPULAINEN

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Page 2

Attorney Docket No.: 0837-0418FUS1

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Date	Name ofInventor	
		(Signature) Joni SILVO
Date	Name of Inventor	
		(Signature) Matti PEKKARINEN
Date May 31, 2016	Name of Inventor	
,		"(Signature) Jack HOOVER
Date	Name of Inventor	
		(Signature) Mats ÅKESSON
Date	Name of Inventor	
***************************************	_	(Signature) Matti KUMPULAINEN

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Page 2

Attorney Docket No.: 0837-0418PUS1

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	_	(Signature) Joni SILVO
	Name of	
Date	Inventor	
		(Signature) Matti PEKKARINEN
	Name of	
Date	_ Inventor	
		(Signature) Jack HOOVER
Date May 37, 2016	Name of Inventor	Mats Alea
/		(Signature) Mats ÅKESSON
_	Name of	
Date	_ Inventor	O A CHANDIN ADILI ADILI
		(Signature) Matti KUMPULAINEN

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Date	Name of Inventor	
		(Signature) Joni SILV()
Date	Name of Inventor	andrian de la companya de la compan En <u>la companya de la companya de la</u>
		(Signature) Matti PEKKARINEN
Date	Name of Inventor	
		(Signature) Jack HOOVER
Date	Name of Inventor	en de la companya de La companya de la co
		(Signature) Mals: ÅKESBON
Date 23.6,21	Name of Inventor	
		(Signature) Matti KUMPULAINEN

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Attorney Docket No.: 0837-0418PUSI

Date 15.7. TO16 Name of Inventor

Signature) Ivrki SAVELA

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