PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LASSE ERIKSSON	12/17/2014
MIKKO HEIKKILÄ	12/01/2014
KARI WALLGREN	12/19/2014
ARI LEHTINEN	12/01/2014
OLLI VENHO	12/05/2014
LAURI NIEMINEN	12/01/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14403332

CORRESPONDENCE DATA

Fax Number: (703)205-8050

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: (703) 205-8000

mailroom@bskb.com, brian.olive@bskb.com Email: BIRCH, STEWART, KOLASCH & BIRCH, LLP Correspondent Name:

Address Line 1: P.O. BOX 747

Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	0837-0365PUS1
NAME OF SUBMITTER:	BRIAN OLIVE
SIGNATURE:	/brian olive/
DATE SIGNED:	12/29/2014

Total Attachments: 6

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ASSIGNMENT

Application	14/403,332	Filed:	November 24, 2014	
	WHEREAS, Lasse ERI NIEMINEN		5);** HEIKKILÄ, Kari WALLGREN, Ari LEHTINEN, Olli VENHO, I ned) has (have) invented certain new and useful improvements in:	Laur
Insert Title of Invention	DETERMINING MOV	EMENT DISTAN	ICE OF LIFTING DEVICE	
	for which an applicat undersigned (except in		Patent of the United States of America has been executed by visional application)	/ the
Insert Date of Signing of Apples	on June 17, 2013;	June 18, 2013	; June 26, 2013; August 8, 2013	ınd
Insert Name of Assignee	WHEREAS, KONECRA	NES PLC		
Insert Address of Assignee	of Koneenkatu 8, Hyvii	ıkaă FI-05830, Fi	nland,	
		ht, title and inter	ves and assigns (hereinafter designated as the Assignee) is desiron lest in and to said invention and in and to any Letters Patent(s) that of America and	
Check Box if Appropriate	in any foreign cou	ntries.		
	undersigned has (have) unto said Assignee the territories, dependencie Patent(s) which may be possessions, and if the	sold, assigned a e full and exclu- es and possession e granted theref box above is des	uable consideration, the receipt of which is hereby acknowledged and transferred, and by these presents does (do) sell, assign and transive right to the said invention in the United States of Americans and the entire right, title and interest in and to any and all Lefor in the United States of America, its territories, dependencies signated, in any and all foreign countries; and to any and all divising the extensions thereof for the full term or terms for which the same	nsfer a, its etters and ions,

Attorney Docket No.: 0837-0365PUS1

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 Dec. 17, 2014	Name of Inventor	(Signature) Lasse ER	(Call)	
Date	Name of Inventor	(Signature) Mikko H	EIKKILÄ	
Date	Name of Inventor	(Signature) Kari WA	LLGREN	
Date	Name of Inventor	(Signature) Ari LEH	TINEN	
Date	Name of Inventor	(Signature) Olli VEN	НО	
Date	Name of Inventor	(Signature) Lauri NI	EMINEN	
BIRCH, STEWART, KOLASCH	i & BIRCH, LLP		Page 2	BSKB-ASSIGM-SINGLE (99-12) PCL/PCL/bo

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Insert Date of Signing of Apple.	овJune 17, 201	3; June 18, 201	13; June 26, 2013; August 8, 2013	; and
Insert Name of Assignee	WHEREAS, KONECRA	ANES PLC		
Insert Address of Assignee	of Koneenkatu 8, Hyvii	ıkaa FI-05830, Fii	nland,	
		ht, title and inter	res and assigns (hereinafter designated as the Assi est in and to said invention and in and to any Letter of America and	
Check Box if Appropriate	in any foreign cou	ntries.		
	undersigned has (have) unto said Assignee th territories, dependencie Patent(s) which may be possessions, and if the	sold, assigned a e full and exclu- as and possession or granted theref box above is des	uable consideration, the receipt of which is hereby and transferred, and by these presents does (do) sell sive right to the said invention in the United Stans and the entire right, title and interest in and to for in the United States of America, its territories signated, in any and all foreign countries; and to an I extensions thereof for the full term or terms for v	, assign and transfer ates of America, its any and all Letters a, dependencies and ny and all divisions,

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

Date	Name of Inventor	(Signature) Lasse ERIKSSON
Dec. 1, 2014 Date 1.12.2014	Name of Inventor	Ole Ole Jee Signature) Mikko HEIKKILÄ
Date	Name of Inventor	(Signature) Kari WALLGREN
Dec. 1, 2014 Date 1, 12, 2014	Name of Inventor	Jei Ale
Dec. 5, 2014 Date 3,1220 U	Name of Inventor	(Signature) Ari LEHTINEN (Signature) Olli VENHO
Dec. 1, 2014 Date <u>). 12, 2014</u>	Name of Inventor	(Signsture) Lauri NIEMINEN

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Insert Address of Assignee	of Koneenkatu 8, Hyvi	nkaä FI-05830, Fi	nland,
		tht, title and inter	res and assigns (hereinafter designated as the Assignee) is desirous of est in and to said invention and in and to any Letters Patent(s) that may of America and
Check Box if Appropriate	in any foreign co	intries.	
	undersigned has (have unto said Assignee th territories, dependenci Patent(s) which may possessions, and if the	e) sold, assigned a ne full and exclu les and possession be granted there box above is der	uable consideration, the receipt of which is hereby acknowledged, the and transferred, and by these presents does (do) sell, assign and transfersive right to the said invention in the United States of America, it as and the entire right, title and interest in and to any and all Letters for in the United States of America, its territories, dependencies and signated, in any and all foreign countries; and to any and all divisions it extensions thereof for the full term or terms for which the same may

Attorney Docket No.: 0837-0365FUS1

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Dete	Name of Inventor /// Name of Inventor	(Signature) Mikko HEIKKILÄ (Signature) Kari WALLGREN	
Date	Name of Inventor	(Signature) Ari LEHTINEN	
Date	Name of Inventor	(Signature) Olli VENHO	
Date	Name of Inventor	(Signature) Lauri NIEMINEN	
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RECORDED: 12/29/2014