PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
PAUL M. CODD	05/22/2014
ANTHONY A. JONES	05/22/2014

RECEIVING PARTY DATA

Name:	INGERSOLL-RAND COMPANY
Street Address:	800-D BEATY STREET
City:	DAVIDSON
State/Country:	NORTH CAROLINA
Postal Code:	28036

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15819559

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:	437251/274954
NAME OF SUBMITTER:	GREGORY S. COOPER
SIGNATURE: /Gregory S. Cooper/	
DATE SIGNED:	02/09/2018

Total Attachments: 3

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PATENT 504770983 REEL: 044878 FRAME: 0156

ASSIGNMENT

WHEREAS, PAUL M. CODD and ANTHONY A. JONES (hereinafter, the "Assignors") are the makers of an invention which is the subject of a United States Patent Application identified as Serial No. 14/282,416, filed on May 20, 2014, and entitled "Slack Line Detection Systems for Winches" (hereinafter, the "Application"); and

WHEREAS, the Assignors have an obligation to assign the Application to INGERSOLL-RAND COMPANY, a New Jersey corporation having a place of business at 800-D Beaty St., Davidson, North Carolina 28036 (hereinafter, the "Assignee");

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors do hereby assign, sell, and set over to Assignee their entire right, title, and interest in, to, and under the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, all inventions disclosed therein, and any and all Letters Patent of the United States and of all other countries that may be granted for such inventions, all rights in such Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors had this assignment not been made.

The Assignors agree to execute any and all papers in connection with the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, and any Letters Patent issuing therefrom, and also to execute separate assignments as the Assignee may deem necessary or desirable.

The Assignors agree to execute any and all papers in connection with any litigation, interference, derivation, reexamination, inter partes review, post grant review, or other proceeding concerning the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, or any Letters Patent issuing therefrom, and also to cooperate with the Assignee in every way possible in obtaining evidence and participating in any such proceeding.

The Assignors agree to execute any and all papers and to perform any and all acts which the Assignee may deem necessary or desirable in view of the provisions of the Patent Cooperation Treaty, the International Convention for Protection of Industrial Property, or similar agreements.

The Assignors agree to perform any and all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire patent protection, with specifications and claims in such form as shall be approved by Assignee, and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

Page 1 of 3

Atty. Ref. No. 437251-225927 IR Ref. No. 81071744

The Assignors hereby covenant that they have the full right to convey the interests herein assigned, and that the Assignors have not executed, and will not execute, any agreement in conflict herewith.

The Assignors hereby grant the attorney of record 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 United States Patent & Trademark Office for recordation of this document.

IN W	ITNESS V	WHEREOF,	Thave executed this	assignment at _	KENT, WA
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is not feasible:		Witness (Signature)			
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COU	NTY OF	King	}	55.	
Ackn	owledged	before me,	a Notary Public, with	iin and for said (County and State. Witness my
hand	and Notar	ial Seal this		<u>Maj</u>	, <u>20Kl</u>
DIANA WARINER Notary Public - State of Washington My Appointment Expires August 23, 2017		R	Talin	<u>u Wises</u>	
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Му С	ommissio	n Expires: }	<u>uglust 23,2017</u>	Resident of	Perce County.

Page 2 of 3

Atty. Ref. No. 437251-225927 IR Ref. No. 81071744

IN WITNESS WHEREOF, I	have executed this	assignment at <u>Kar</u> t, WA
this 22 does of	Max	(city, state),2014
this 22 day of	(month)	(year)
,		
ANTHONY A. JONES		
Inventor (Printed Name)		Inventor (Signature)
Outside the United States,		1111
the signatures of two witnesses are required		Witness (Signature)
when acknowledgment		
before a Notary Public is not feasible:		Witness (Signature)
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	ACKNOWL	EDGMENT
STATE OF Washing to	Λ ι	
STATES OF COMMISSION	; }	SS:
COUNTY OF King	}	
Acknowledged before me, a	Notary Public, with	in and for said County and State. Witness my
hand and Notarial Seal this_		May , 2014 .
		and the same of th
		Marallonin
		Notary Public (Signature)
		Diana Warmer
		Printed Name
My Commission Expires: A	19115 + 223, 2017	Resident of Price County.
DIANA WARINER Notary Public - State of Washington		
My Appointment Expires August 23, 2017		
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Page 3 of 3

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