PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4571429

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PIERRE CORDEIRO	01/06/2016
PATRICK HERELIER	01/06/2016
FRÉDÉRIC NAYRAC	01/06/2016
CHRISTIAN RICORDI	01/06/2016
ALAIN VETTORETTI	01/06/2016

RECEIVING PARTY DATA

Name:	ILLINOIS TOOL WORKS INC.
Street Address:	155 HARLEM AVENUE
City:	GLENVIEW
State/Country:	ILLINOIS
Postal Code:	60025

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15553112

CORRESPONDENCE DATA

Fax Number:

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: 312-269-8048 Email: lkjohnson@nge.com ADAM H. MASIA **Correspondent Name:**

Address Line 1: 2 NORTH LASALLE STREET, SUITE 1700 NEAL, GERBER & EISENBERG LLP Address Line 2:

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER: 025140-1474/65969-US ADAM H. MASIA NAME OF SUBMITTER: **SIGNATURE:** /Adam H. Masia/ **DATE SIGNED:** 08/29/2017

Total Attachments: 3

PATENT REEL: 043438 FRAME: 0720

504524723

source=025140-1474Assignment1#page1.tif source=025140-1474Assignment1#page2.tif source=025140-1474Assignment1#page3.tif

> PATENT REEL: 043438 FRAME: 0721

ASSIGNMENT

THIS ASSIGNMENT is made by and between

1) Pierre CORDE	IRO	2)	Patrick HERELIER	
3) Frédéric NAYF	RAC	4)	Christian RICORDI	
5) Alain VETTOF	RETTI			
	s inventor(s)), and Société d ss at 150 Route de Lyon 26		on et d'Inventions Techniques ("SPIT") -Les-Valence France	
individually and collective	vely as Assignor(s), and			
	KS INC., a corporation of ew, Illinois 60025, USA ("IT		of Delaware, U.S.A., having a place of business a	at 155
as Assignee.				
WHEREAS, inventor(s)	is (are) employed in a tech	nical capacit	ty by SPIT ;	
WHEREAS,	SPIT	is a di	vision, subsidiary, business unit or other entity of IT	W;
WHEREAS, inventor(s collectively referred to a		more inver	ntions (as identified below) (hereinafter individua	ılly oı
not limited to, Applicati		tility Patent	W shall absolutely hold any and all rights (including rights, Plant Patent rights, Design Patent rights, Pherein.	
being hereby acknowled		ally sufficie	n from ITW to Assignor(s), receipt of such consident, I/we hereby sell, assign and convey unto Assign	
and, if applicable, which	cuted, a PCT Patent Applic h claims the benefit of Uni ch is the subject of a Europe	ation and/or ted States F ean Patent A	r United States Patent Application on even date her Provisional Application No(s) file Application or a PCT Patent Application having Eur in No and was filed on December 100	led or ropear
(2) in and to an In Provisional Application	vention entitled "No(s).	on	" for which I/we previously filed United	States
(3) in and to said PO and/or country throughout the reissue applications, and granted thereon or issue	CT Patent Application, Unite Patent Application, and world claiming priority the legal equivalents thereof, be d therefrom, including reiss	ed States Pat in and to all erefrom, as ased upon si ues or the li	tent Application, United States Provisional Applicat I other patent applications now or hereafter filed in a well as any divisional, continuation, reexamination aid forgoing Invention, and in and to any patent or patent or patent or the term or terms of the t	ion(s) any on and patents ms for

Page 1 of 3

patent office follows)	throughout the world,	said other patent application(s)s and/or	patent(s) being specifically identified as
	Country	Application / Patent No.	Filing / Issue or Grant Date
	Country	Application / Patent No.	Filing / Issue or Grant Date
; and			
` '	d to any and all priorit ations and patents.	y rights, and any other application and p	patent rights in all of the above mentioned
		and/or its agent or attorney to enter the Aaces provided above once received.	Application No(s), and filing date(s) of the
Assignor(s) t States Provis	hat the Assignee had th sional Application(s), a	e right to file the PCT Patent Application	this Assignment, it is confirmed by the 1, United States Patent Application, United lication, and shall have the right to file ries it may choose to do so.
and/or any applicabl with the righ	Patent / le international treaties a t to claim priority to the	Application, and any patent applications of and/or conventions based upon said Inventions.	n, United States Provisional Application(s), of any countries which may be filed under tion, shall be filed in the name of Assignee atent Application, United States Provisional Invention.
	overnment officials for		marks of the United States and all other States to issue any and all above-identified
consideration deemed by A this Assignm	to me/us, execute any a assignee, its successors c ent, it being understood	and all papers, make all rightful oaths and or assigns, to be necessary, to be a comple	successors or assigns, and without further it perform all acts that may be necessary, or ete fulfillment of the intent and purposes of a of such papers and oaths, and performance not by me/us.
	rights Assignee takes testriction whatsoever.	under this Assignment are freely assigna	ible or otherwise transferable by Assignee
		ent absolutely to Assignee of any and all at that I/we would have had, had this assig	rights whatsoever that I/we may have in the nment not been made.
consideratior dollar) or su	i is required to effect an	n assignment, Assignee agrees to pay each unt as agreed to by the parties, the recei	nce to those jurisdictions where a monetary in of the Assignors the sum of \$1 (one U.S. pt, adequacy and sufficiency of which the

1) CORDEMO Zalan	06/01/16	2) <u>July</u>	06-01-2016
Name: Pierre CORDEIRO	Date	Name: Patrick HERELIER	Date
3) Alfred Comment of the Name of Prédéric NAYRAC	<i>CG/O/ 19016</i> Date	4)	<u> 24N 6 ^{f4} 2016</u> Date
Name: Alain VETTORETTI	<u>06/01/16</u> Date		
* * * · · · · · · · · · · · · · · · · ·	DECLARATION		
I, Colette CLOUZOT hereby declare that I was personally p	whose post office addressent and did see the a	lress is 150 Noute de Ujan, 26° bove named inventor(s), personally kr	Soo bouy lest be the
person(s) named in this Assignment, du	aly sign and execute the	same:	
(Signature of Witness)	(Date	January 6th 2016 of Signature)	
For and on behalf of		COMPANY SEAL	
SPIT			
	•••••	SPIT 150 avenue de l	Von
Name: Chashen Ricor		B.P. 104 26501 BOURG-LES-VALENCE CE	
Title: Innovation Manage	cc IP	SOMITERAL STREET	Dece Control
Date: 29N 6th 2016			
For and on behalf of		COMPANY SEAL	
ILLINGIS TOOL WORKS INC.			
frust work	*		
Name: Ernest W. Torain 3	2		
Title: Deputy General Counsel -	Intellectual Propert	4	
Date: Feb. 3, 2016			
	Page 3	of3	

PATENT REEL: 043438 FRAME: 0724

RECORDED: 08/29/2017