PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4795619 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCO CARCANO	01/31/2017
MICHELE GENTILE	01/31/2017
MICHELE SCLOCCHI	01/31/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15810974

CORRESPONDENCE DATA

Fax Number: (704)444-9137

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: 704-347-6477

Email: mlfdocketing@mcnair.foundationip.com, dolguin@mcnair.net,

lynn_mcmiller@mcnair.foundationip.com

Correspondent Name: CHAD L. THORSON

Address Line 1: 101 S. TRYON STREET, SUITE 2610

Address Line 2: BANK OF AMERICA PLAZA

Address Line 4: CHARLOTTE, NORTH CAROLINA 28280

ATTORNEY DOCKET NUMBER:	738141/00023
NAME OF SUBMITTER:	CHAD L. THORSON
SIGNATURE:	/CHAD L. THORSON, REG. NO. 55675/
DATE SIGNED:	01/26/2018

Total Attachments: 3

source=ITW Case No. 67083-Assignment#page1.tif source=ITW Case No. 67083-Assignment#page2.tif

PATENT 504748891 REEL: 045169 FRAME: 0674

source=ITW Case No. 67083-Assignment#page3.tif

PATENT REEL: 045169 FRAME: 0675

ASSIGNMENT

For valuable and sufficient consideration from Illinois Tool Works Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at 155 Harlem Ave., Glenview, Illinois 60025, receipt of such consideration being hereby acknowledged, I/we,

 Marco Carcano Via XX Settembre, 7 Senago, Italy 20030 Michele Gentile
 Viale M.L. King nr. 16
 Jesi, Ifaly 60035

Michele Scloechi
 Via Ravenna 3
 San Donato Milanese, Italy 20097

Name: Michele Sclocchi

hereby sell, assign and convey unto Assignee, its successors and assigns, my/our entire right, title and interest: " for which I/we have executed a PCT (1) in and to an invention entitled " (1) in and to an invention entitled "_______ for which I/we have executed a PC1 Patent Application and/or United States Patent Application on even date herewith, and, if applicable, which claims the benefit of United States Provisional Application No(s). filed on (2) in and to an invention entitled "SYSTEM FOR CLEANING CIRCULATING OVEN AIR WITH REDUCED THERMAL DISRUPTION" for which I/we previously filed United States Provisional Application No(s). 62/428,141. filed on November 30, 2016; and (3) in and to said PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) and in and to all other patent applications now or hereafter filed in the United States and countries foreign to the United States (including divisional, continuation, reexamination, and reissue applications, and legal equivalents thereof) based upon said invention, and in and to the patent or patents granted thereon or issued therefrom, including reissues or the like thereof, if any, to the full end of the term or terms for which said patent or patents may be granted or I/we agree that any patent applications of any countries foreign to the United States which may be filed under any applicable international treaties and/or conventions based upon said invention(s) shall be filed in the name of Assignee with the right to claim priority to any earlier filed applications based upon said invention(s). I/we hereby further agree that I/we shall, upon demand of Assignee, its successors or assigns, and without further consideration to me/us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to be a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me/us. I/we hereby further agree and authorize the Commissioner of Patents and Trademarks of the United States and all other appropriate government officials for applicable countries foreign to the United States to issue any and all above-identified patents to Assignee. 1) Name: Marco Carcano 2) Name: Michele Genfile

> PATENT REEL: 045169 FRAME: 0676

ASSIGNMENT

For valuable and sufficient consideration from Illinois Tool Works Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at 155 Harlem Ave., Glenview, Illinois 60025, receipt of such consideration being hereby acknowledged, I/we,

 Marco Carcano Via XX Settembre, 7 Senago, Italy 20030 Michele Gentile
 Viale M.L. King nr. 16
 Jesi, Italy 60035

Michele Sclocchi
 Via Ravenna 3
 San Donato Milanese, Italy 20097

Name: Michele Sclocchi

Date

hereby sell, assign and convey unto Assignee, its successors a	nd assigns, my/our ent	ire right, title and i	nterest:
(1) in and to an invention entitled " Patent Application and/or United States Patent Application on benefit of United States Provisional Application No(s).	even date herewith, as	r which I/we have e nd, if applicable, w	executed a PCT hich claims the
(2) in and to an invention entitled "SYSTEM FOR CLEANII THERMAL DISRUPTION" for which I/we previously filed filed on November 30, 2016; and			
(3) in and to said PCT Patent Application, United States Paten Application(s) and in and to all other patent applications now to the United States (including divisional, continuation, reexarthereof) based upon said invention, and in and to the patent or reissues or the like thereof, if any, to the full end of the term o issued.	or hereafter filed in the nination, and reissue a patents granted thereo	 United States and pplications, and leg m or issued therefro 	countries foreign gal equivalents om, including
I/we agree that any patent applications of any countries foreign applicable international treaties and/or conventions based upor with the right to claim priority to any earlier filed applications	n said invention(s) sha	ll be filed in the na	
I/we hereby further agree that I/we shall, upon demand of Assiconsideration to me/us, execute any and all papers that may be assigns, to be necessary, to be a complete fulfillment of the inthat any expense incident to the execution of such papers shall me/us.	necessary, or deemed ent and purposes of th	by Assignee, its suits Assignment, it be	eccessors or eing understood
I/we hereby further agree and authorize the Commissioner of I appropriate government officials for applicable countries foreing patents to Assignee.	gn to the United States 27	s to issue any and a	
Name: Marco Carcano Date	2) / 8-19 97 Name: Michele	Gentile	January 31rd 2017 Date

PATENT REEL: 045169 FRAME: 0677

ASSIGNMENT

For valuable and sufficient consideration from Illinois Tool Works Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at 155 Harlem Ave., Glenview, Illinois 60025, receipt of such consideration being hereby acknowledged, I/we,

 Marco Carcano Via XX Settembre, 7 Senago, Italy 20030 Michele Gentile Viale M.L. King nr. 16 Jesi, Italy 60035

Michele Sclocchi
 Via Ravenna 3
 San Donato Milanese, Italy 20097

hereby sell, assign and convey unto Ass	signee, its successors and	assigns, my/our enti	re right, title and into	erest:
(1) in and to an invention entitled " Patent Application and/or United States benefit of United States Provisional Ap	s Patent Application on ev plication No(s).	" for on date herewith, an filed on	which I/we have exe d, if applicable, whi	ecuted a PCT ch claims the
(2) in and to an invention entitled "SYS THERMAL DISRUPTION" for whic filed on November 30, 2016; and	FIEM FOR CLEANING h I/we previously filed U	CIRCULATING of the Control of the Co	OVEN AIR WITH nal Application No(s	REDUCED s). 62/428,141,
(3) in and to said PCT Patent Application Application(s) and in and to all other pate to the United States (including divisions thereof) based upon said invention, and reissues or the like thereof, if any, to the issued.	atent applications now or a al, confinuation, reexamir in and to the patent or pa	hereafter filed in the lation, and reissue ap tents granted thereor	United States and co oplications, and legal a or issued therefron	ountries foreign l equivalents n, including
I/we agree that any patent applications of applicable international treaties and/or of with the right to claim priority to any estimates.	conventions based upon s	aid invention(s) shal	l be filed in the name	nder any e of Assignee
I/we hereby further agree that I/we shall consideration to me/us, execute any and assigns, to be necessary, to be a comple that any expense incident to the executione/us.	I all papers that may be no to fulfiliment of the inten	ecessary, or deemed t and purposes of thi	by Assignee, its succ a Assignment, it bei	cessors or ng understood
I/we hereby further agree and authorize appropriate government officials for apparents to Assignee.	the Commissioner of Pat plicable countries foreign	ents and Trademarks to the United States	s of the United State: to issue any and all	s and all other above-identified
1)		2) Name: Michele		
Name: Marco Carcano	Date	Name: Michele	Gentile	Date
3) Name: Michele Selecchi	Date			

PATENT REEL: 045169 FRAME: 0678

RECORDED: 01/26/2018