PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2616594

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

	Name	Execution Date	
TD)	Y INDUSTRIES, INC.	12/22/2011	

RECEIVING PARTY DATA

Name:	TDY INDUSTRIES, LLC
Street Address:	1000 SIX PPG PLACE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15222

PROPERTY NUMBERS Total: 26

502570736

Property Type	Number
Application Number:	10903198
Application Number:	12397597
Application Number:	12179999
Application Number:	11945372
Application Number:	12835045
Application Number:	12368339
Application Number:	12431384
Application Number:	12616300
Application Number:	12641399
Application Number:	12836174
Application Number:	13286355
Patent Number:	6447890
Patent Number:	6827975
Patent Number:	7234899
Patent Number:	7384443
	DATENT

REEL: 031610 FRAME: 0142

PATENT "

li .	n .
Patent Number:	7312466
Patent Number:	7968147
Patent Number:	7914913
Patent Number:	7581906
Patent Number:	7513320
Patent Number:	7244519
Patent Number:	7687156
Patent Number:	7905687
Patent Number:	8137816
Patent Number:	7846551
Patent Number:	7976250

CORRESPONDENCE DATA

Fax Number: (412)945-5933 **Phone**: 412-471-8815

Email: assignments@webblaw.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: THE WEBB LAW FIRM
Address Line 1: ONE GATEWAY CENTER

Address Line 2: 420 FT. DUQUESNE BLVD., STE. 1200
Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	0687-134610	
NAME OF SUBMITTER:	JAMES G. PORCELLI, REG. NO. 33,757	
Signature:	/James Porcelli/	
Date:	11/15/2013	

Total Attachments: 6

source=134610-changeofname#page1.tif source=134610-changeofname#page2.tif source=134610-changeofname#page3.tif source=134610-changeofname#page4.tif source=134610-changeofname#page5.tif source=134610-changeofname#page6.tif

> PATENT REEL: 031610 FRAME: 0143

RECORDATION FORM COVER SHEET PATENTS ONLY			
	e record the attached documents or the new address(es) below.		
1. Name of conveying party(ies) TDY Industries, Inc.	2. Name and address of receiving party(ies) Name: TDY Industries, LLC Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) 12/22/2011 Assignment Merger Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): This A. Patent Application No.(s) SEE TABLE A	Street Address: 1000 SIX PPG PLACE City: PITTSBURGH State: PA Country: US Zip: 15222 Additional name(s) & address(es) attached? Yes No document is being filed together with a new application. B. Patent No.(s) SEE TABLE A		
Additional numbers att	ached? ✓ Yes No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 26		
Name: Larry R. Meenan, Esq.	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1040.00		
Internal Address: Street Address: 1600 Technology Way	Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)		
City: Latrobe	8. Payment Information		
State: <u>PA</u> Zip: <u>15650</u>	a. Credit Card Last 4 Numbers 1916 Expiration Date 05/2015		
Phone Number: 724-539-5485	b. Deposit Account Number 23-0650		
Fax Number:Email Address:K-corp.patents@kennametal.com	The Webb I aw Firm		
9. Signature: Jane Prach	November 15, 2013		
James G. Porcelli, Esq., Reg. No. 33,7	Date		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ATTACHMENT TO RECORDATION FORM COVER SHEET TDY Industries, Inc. NAME CHANGE TO TDY Industries, LLC

TABLE A

	Patent Application Nos.	Filing Date	Docket No.
1.	10/903,198	07/30/2004	TMP-2047-ORD
2.	12/397,597	03/04/2009	TMP-2059-DIV
3.	12/179,999	07/25/2008	TMP-2080-DIV
4.	11/945,372	11/27/2007	TMP-2113-PRI
5.	12/835,045	07/13/2010	TMP-2141-CIP
6.	12/368,339	02/10/2009	TMP-2141-PRI
7.	12/431,384	04/28/2009	TMP-2147-PRI
8.	12/616,300	11/11/2009	TMP-2162-PRI
9.	12/641,399	12/18/2009	TMP-2163-PRI
10.	10. 12/836,174 07/14/2010		TMP-2185-PRI
11.	13/286,355	11/01/2011	TMP-2210-PRI

	Patent Nos.	Issue Date	Docket No.
1.	6,447,890	09/10/2002	TMP-1947-CIP
2.	6,827,975	12/07/2004	TMP-1947-DIV
3.	7,234,899	06/26/2007	TMP-1949-ORD
4.	7,384,443	06/10/2008	TMP-2023-ORD
5.	7,312,466	12/25/2007	TMP-2040-ORD
6.	7,968,147	06/28/2011	TMP-2055-DIV
7.	7,914,913	03/29/2011	TMP-2055-PCT
8.	7,581,906	09/01/2009	TMP-2055-PRI
9.	7,513,320	04/07/2009	TMP-2059-ORD
10.	7,244,519	07/17/2007	TMP-2060-ORD
11.	11. 7,687,156 03/30/2010 TMP-20		TMP-2080-ORD

ATTACHMENT TO RECORDATION FORM COVER SHEET TDY Industries, Inc. NAME CHANGE TO TDY Industries, LLC

TABLE A

12.	7,905,687	03/15/2011	TMP-2108-ORD
13.	8,137,816	03/20/2012	TMP-2114-CON
14.	7,846,551	12/07/2010	TMP-2114-PRI
15.	7,976,250	07/12/2011	TMP-2149-PRI

State of California Secretary of State

0477913 out

LLC-1A

Limited Liability Company **Articles of Organization - Conversion**

IMPORTANT - Read all instructions before completing this form.

File# 201200310076

In the Office of the Secretary of State of the State of California

JAN 02 2012

This Space For Filing Use Only

C	nverted Entity Information			4, "Lylis 5 " " "		-
1.	NAME OF LIMITED LIABILITY COMPANY "Limited" and "Company" may be abbreviate		d Liabili	ty Company," or the abbrevia	ations "LLC" or '	L.L.C." The words
	TDY Industries, LLC			· · · · · · · · · · · · · · · · · · ·		
2.	THE PURPOSE OF THE LIMITED LIABILTY COMPANY IS TO ENGAGE IN ANY LAWFUL ACT OR ACTIVITY FOR WHICH A LIMITED LIABILITY COMPANY MAY BE ORGANIZED UNDER THE BEVERLY-KILLEA LIMITED LIABILITY COMPANY ACT.					
3.	THE LIMITED LIABILITY COMPANY WILL I	BE MANAGED BY (Check only one)				-
	ONE MANAGER	MORE THAN ONE MANAGER		ALL LIMITED LI	IABILITY COM	PANY MEMBER(S)
4.	MAILING ADDRESS OF THE CHIEF EXEC	UTIVE OFFICE		CITY	STATE	ZIP CODE
	1000 SIX PPG PLACE		PIT	TSBURGH	PA	I 5222
5.	5. NAME OF AGENT FOR SERVICE OF PROCESS (Item 5: Enter the name of the agent for service of process. The agent may be an individual residing in California or a corporation that has filed a certificate pursuant to California Corporations Code section 1505. Item 6: If the agent is an individual, enter the agent's business or residential address in California. Item 7: If the converting entity is a California limited partnership, enter the mailing address of the individual or corporate agent. Check the box and omit the mailing address if the agent's mailing address is the same as the address in Item 6.)					an individual, enter mailing address of
	CT CORPORATION SYSTEM					•
6.	IF AN INDIVIDUAL, ADDRESS OF AGENT	FOR SERVICE OF PROCESS IN CA	4	CITY	STATE CA	ZIP CODE
7	MAILING ADDRESS OF AGENT FOR SER	VICE OF PROCESS		CITY	STATE	ZIP CODE
l ''	818 W SEVENTH ST.	TO THE WORLD		ANGELES	CA	90017
	THE MAILING ADDRESS OF THE AGENT	FOR SERVICE OF PROCESS IS THE SA			-	DRESS IN ITEM 6,
Co	onverting Entity Information				······································	
	NAME OF CONVERTING ENTITY					
	TDY Industries, Inc.					
9.	FORM OF ENTITY	10. JURISDICTION		11. CA SECRETARY OF	STATE FILE N	UMBER, IF ANY
	CORPORATION	CA .		C0477913		
12	. THE PRINCIPAL TERMS OF THE PLAN OF C THAT EQUALED OR EXCEEDED THE VOTE	CONVERSION WERE APPROVED BY A REQUIRED. IF A VOTE WAS REQUIRED	A VOTE RED, PR	OF THE NUMBER OF INTER	(ESTS OR SHAI R EACH CLASS	RES OF EACH CLASS
	STATE THE CLASS AND NUMBER OF OUTS	TANDING INTERESTS ENTITLED TO	VOTE		OTE REQUIRE	D OF EACH CLASS
	10 shares of Common Stock			100%		
Α.	Iditional Information			<u></u>		
_	Additional information 13. ADDITIONAL INFORMATION SET FORTH ON THE ATTACHED PAGES, IF ANY, IS INCORPORATED HEREIN BY THIS REFERENCE AND MADE A PART OF THIS CERTIFICATE.					
14	14. I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING IS TRUE AND CORRECT OF MY OWN KNOWLEDGE. I DECLARE I AM THE PERSON WHO EXECUTED THIS INSTRUMENT, WHICH EXECUTION IS MY ACT AND DEED.					
	December 22, 2011					
	DATE	······································				
	900-+1 N	,	Elliot S	. Davis, Senior Vice Pres	sident and Sec	eretarv
	SIGNATURE OF AUTHORIZED PERSON			OR PRINT NAME AND TITLE		
	The state of the production of the state of		,		•	
	SIGNATURE OF AUTHORIZED PERSON		TYPEC	R PRINT NAME AND TITLE	OF AUTHORI	ZED PERSON
Ll,	C-1A (REV 04/2010)	. *************************************		A	PPROVED BY SI	ECRETARY OF STATE

PATENT

REEL: 031610 FRAME: 0147

ATTACHMENT TO ARTICLES OF ORGANIZATION-CONVERSION

TDY Industries, Inc.

1. The effective date of the filing is January 2, 2012.

201200310076 PATENT

REEL: 031610 FRAME: 0148



I hereby certify that the foregoing transcript of 2 page(s) is a full, true and correct copy of the original record in the custody of the California Secretary of State's office.

JAN 17 2012

Date:_

DEBRA BOWEN, Secretary of State

PATENT REEL: 031610 FRAME: 0149

RECORDED: 11/15/2013