503481379 09/16/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRETT R. HEMES	06/08/2015
SCHOEN A. SCHUKNECHT	09/15/2015
ANDREW K. HARTZELL	04/24/2015

RECEIVING PARTY DATA

Name:	3M INNOVATIVE PROPERTIES COMPANY
Street Address:	P.O. BOX 33427
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14653921

CORRESPONDENCE DATA

Fax Number: (651)736-3833

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: 651-733-1500

Email: ilanderson6@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	71079US004
NAME OF SUBMITTER:	JAMIE L. ANDERSON
SIGNATURE:	/Jamie L. Anderson/
DATE SIGNED:	09/16/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 503481379 REEL: 036575 FRAME: 0520

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

71079US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

MATERIAL PRO	OCESSING SYSTEM WITH L EFFECTOR M		A LASER SCANNING AND EN	ID
The specification of wh	ich:			
is attached hereto);			
was filed on as United States A	Application No.			
is identified as PC filed on	T International Application No. December 11, 2013		PCT/US2013/074233	
The above-identified ap	oplication was made or authorized to	o be made by r	me.	
	that any willful false statement made not more than 5 years, or both.	e in this declara	ation is punishable under 18 U.S.C. 10	01 by
and do hereby assign a 3M COMPANY, and a assigns, the entire right continuation (in whole oby me or made jointly was termination of, my empall Letters Patent, reexthereto (including the riown name and to claim international convention continuation (in whole opart upon the said invehave been by me had to	and transfer unto the 3M INNOVATI corporation of Delaware, having its t, title, and interest in and to the said or in part) of said application, and in with others (provided any such improloyment with 3M COMPANY and araminations, reissues, or extensions ight to apply for Letters Patent, Utility any priority rights for such foreign ins, treaties, or otherwise), which has or in part), renewal, reexamination, ntion or improvements thereon, to be this assignment and transfer not be a significant of the said o	VE PROPERTI principal office d invention and and to any and overnent is made thereof, of the applications to ve been or may reissue, or othereof, and enjudent made;	wiledged, I have agreed to assign and IES COMPANY, a wholly-owned subsicat Saint Paul, Minnesota, its successor application, and in and to any division deall improvements in the said invention de during, or within one year after the gor future subsidiaries), and in and to United States of America and countries ventors' Certificates in foreign countries which such applications are entitled ure yield by the granted thereon or on any divisioner or further application based in whole oyed as fully and exclusively as they we	idiary of ors and on made any and es foreign es in its nder nal, e or in vould
consideration any furth that may be deemed no	er applications, assignments, and decessary by said Company, its succ	locuments, and essors, assign	ors, to execute and deliver without furth to perform such other acts as I lawfull s, and nominees, fully to secure its rigi Models, or Inventors' Certificates in an	ly may, ht, title,
	e said applications, to said 3M Inno		any and all Letters Patent which may bes Company, as the assignee of the er	
Legal Name of Invent	OF.		<u></u>	
Brett R. Hemes				
Inventor's Signature:		Date:		
		06/0	8/215	

PATENT REEL: 036575 FRAME: 0521

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

71079US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

MATERIAL PR	OCESSING SYSTEM WITH LOW-II EFFECTOR MANIPU	IERTIA LASER SCANNING AND END LATION
The specification of wh	nich:	
is attached hereto	ο;	
was filed on as United States	Application No.	
is identified as PC filed on	OT International Application No. December 11, 2013	PCT/US2013/074233
The above-identified a	pplication was made or authorized to be ma	de by me.
fine or imprisonment or imprisonment or imprisonment or and do hereby assign and do hereby assign; assigns, the entire righ continuation (in whole by me or made jointly termination of, my empall Letters Patent, reex thereto (including the rown name and to clain international conventional	of not more than 5 years, or both. Indivaluable consideration, receipt of which is and transfer unto the 3M INNOVATIVE PROCEOUTH PROCEO	declaration is punishable under 18 U.S.C. 1001 by acknowledged, I have agreed to assign and transfer PPERTIES COMPANY, a wholly-owned subsidiary of loffice at Saint Paul, Minnesota, its successors and on and application, and in and to any division or any and all improvements in the said invention made is made during, or within one year after the existing or future subsidiaries), and in and to any and of the United States of America and countries foreign s, or Inventors' Certificates in foreign countries in its ons to which such applications are entitled under or may be granted thereon or on any divisional, or other or further application based in whole or in
have been by me had. I do further agree for n	this assignment and transfer not been made nyself and for my heirs, executors, and adm	nistrators, to execute and deliver without further
that may be deemed n	necessary by said Company, its successors,	ts, and to perform such other acts as I lawfully may, assigns, and nominees, fully to secure its right, title, Utility Models, or inventors' Certificates in any and all
	ne said applications, to said 3M Innovative P	issue any and all Letters Patent which may be roperties Company, as the assignee of the entire right
Legal Name of Invent	tor:	
Schoen A. Schul	knecht	
Inventor's Signature:		1/15/2015

PATENT

REEL: 036575 FRAME: 0522

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

71079US004

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the application and for which a patent is sought on the invention entitled:

MATERIAL PR	ROCESSING SYSTEM WITH L EFFECTOR M			IING AND END
The specification of w	/hich:			
is attached here	to;			
was filed on as United States	Application No.			
is identified as P filed on	CT International Application No. December 11, 2013		PCT/US2013/0742	33
The above-identified	application was made or authorized t	o be made by	me.	
fine or imprisonment	e that any willful false statement mad of not more than 5 years, or both. and valuable consideration, receipt of		·	•
3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my emall Letters Patent, ree thereto (including the own name and to clai international conventicontinuation (in whole part upon the said invhave been by me had	a and transfer unto the 3M INNOVATI a corporation of Delaware, having its tht, title, and interest in and to the sail e or in part) of said application, and in with others (provided any such improposition of the sail examinations, reissues, or extensions right to apply for Letters Patent, Utilition any priority rights for such foreign ions, treaties, or otherwise), which has e or in part), renewal, reexamination, vention or improvements thereon, to led this assignment and transfer not be	principal office id invention and and to any an ovement is ma ny of its existing thereof, of the ty Models, or Ir applications to ave been or ma reissue, or oth- be held and enj- en made;	at Saint Paul, Minnes application, and in ard all improvements in de during, or within on g or future subsidiaries. United States of Ameriventors' Certificates in which such application be granted thereon of the or further application oyed as fully and exclusion.	ota, its successors and ot to any division or the said invention made e year after the s), and in and to any and rica and countries foreign foreign countries in its are entitled under or on any divisional, in based in whole or in usively as they would
consideration any furt that may be deemed	myself and for my heirs, executors, a ther applications, assignments, and o necessary by said Company, its succ said and to obtain or maintain Letters	documents, and cessors, assign	I to perform such othe s, and nominees, fully	r acts as I lawfully may, to secure its right, title,
	and request the Commissioner of Pa the said applications, to said 3M Inno ein.			
Legal Name of Inver				······································
Andrew K. Hart				
Inventor's Signature Muduw	El Hantell	Date:	1/24/15	

PATENT REEL: 036575 FRAME: 0523

RECORDED: 09/16/2015