PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5208318

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EVAN D. BRUTINEL	06/14/2018
SHAWN C. DODDS	06/27/2018
ANN M. GILMAN	06/26/2018
MATTHEW R. D. SMITH	06/18/2018
MATTHEW S. STAY	10/26/2018
ERIC A. VANDRE	06/26/2018

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:	16063460	

CORRESPONDENCE DATA

Fax Number: (651)736-7586

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.

651-733-1500 Phone: Email: mmoes@mmm.com

3M INNOVATIVE PROPERTIES COMPANY **Correspondent Name:**

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	76970US008
NAME OF SUBMITTER:	MONICA J. MOES
SIGNATURE:	/Monica J. Moes/
DATE SIGNED:	10/26/2018

Total Attachments: 6

PATENT REEL: 047327 FRAME: 0334

505161551



Case No:

76970US008

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:

PROCESS FOR DEPOSITING DRY POWDER PARTI ADHESIVELY BONDING THE PARTICLES	
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 16, 2016	PCT/US2016/067121
The above-identified application was made or authorized to be made b	py me.
I hereby acknowledge that any willful false statement made in this decine or imprisonment of not more than 5 years, or both. In addition, for good and valuable consideration, receipt of which is act and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal offi assigns, the entire right, title, and interest in and to the said invention a continuation (in whole or in part) of said application, and in and to any by me or made jointly with others (provided any such improvement is retermination of, my employment with 3M COMPANY and any of its exis all Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or own name and to claim any priority rights for such foreign applications international conventions, treaties, or otherwise), which have been or recontinuation (in whole or in part), renewal, reexamination, reissue, or opart upon the said invention or improvements thereon, to be held and have been by me had this assignment and transfer not been made;	knowledged, I have agreed to assign and transfer RTIES COMPANY, a wholly-owned subsidiary of ice at Saint Paul, Minnesota, its successors and and application, and in and to any division or and all improvements in the said invention made made during, or within one year after the sting or future subsidiaries), and in and to any and the United States of America and countries foreign r Inventors' Certificates in foreign countries in its to which such applications are entitled under may be granted thereon or on any divisional, other or further application based in whole or in
I do further agree for myself and for my heirs, executors, and administiconsideration any further applications, assignments, and documents, at that may be deemed necessary by said Company, its successors, assend interest as aforesaid and to obtain or maintain Letters Patent, Utili countries; and	and to perform such other acts as I lawfully may, igns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issugranted upon any of the said applications, to said 3M Innovative Propertitle, and interest therein.	
Legal Name of Inventor:	NAME OF THE OWNER OWNER OF THE OWNER OWNE
Evan D. Brutinel	
Inventor's Signature: Date:	5/14/18

Case No:

76970US008

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:

PROCESS FOR DEPOSITING DRY POWDER PARTICLES ONTO A SUBSTRATE AND

ADHESIVELY BONDING THE PARTICLES TO THE SUBSTRATE The specification of which: is attached hereto: as United States Application No. PCT/US2016/067121 is identified as PCT International Application No. December 16, 2016 filed on The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both. In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made; I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein. Legal Name of Inventor: Shawn C. Dodds Inventor's Signature: Ulu J/h June 27th, 2018

Case No:

76970US008

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:

PROCESS FOR DEPOSITING DRY POWDER PARTICLES ONTO A SUBSTRATE AND

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Case No:

76970US008

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:

PROCESS FOR DEPOSITING DRY POWDER PARTICLES ONTO A SUBSTRATE AND

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Case No:

76970US008

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:

PROCESS FOR DEPOSITING DRY POWDER PARTICLES ONTO A SUBSTRATE AND

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RECORDED: 10/26/2018

Case No:

76970US008

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:

PROCESS FOR DEPOSITING DRY POWDER PARTICLES ONTO A SUBSTRATE AND ADHESIVELY BONDING THE PARTICLES TO THE SUBSTRATE				
The	specification of whi	ch:		
	is attached hereto;	, ;		
	was filed on as United States A	opplication No.		
\boxtimes	is identified as PC filed on	T International Application No. December 16, 2016	PCT/US2016/067121	
The	above-identified ap	plication was made or authorized to	be made by me.	
		hat any willful false statement made not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by	
3M (assignment by m term all Le there own inter cont part have	COMPANY, and a company, the entire right inuation (in whole come or made jointly with ination of, my empetters Patent, reexageto (including the right iname and to claim national conventior inuation (in whole coupon the said invested been by me had to	corporation of Delaware, having its p i, title, and interest in and to the said or in part) of said application, and in a vith others (provided any such improvided any such improvided any such improvided any such improvided and any aminations, reissues, or extensions to ght to apply for Letters Patent, Utility any priority rights for such foreign and ins, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not been		
cons that and cour	sideration any furth- may be deemed no interest as aforesa ntries; and	er applications, assignments, and do ecessary by said Company, its succe id and to obtain or maintain Letters F	ad administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all	
gran	nereby authorize a ited upon any of the and interest therei	e said applications, to said 3M Innov	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right,	
Leg	gal Name of Invent	Or.		
Er	ic A. Vandre			
Inv	entor's Signature:		Date:	
2	200	_	6/26/18	