## 505441846 04/23/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
JAIME A. MARTINEZ				04/22/2019	
THOMAS J. NELSON				04/17/2019	
MARK A. LUKOWSKI				04/05/2019	
RECEIVING PARTY DA	ТА				
Name:	3M INN	OVATIVE PROPERTIES COM	TIVE PROPERTIES COMPANY		
Street Address:	P.O. BC	DX 33427			
City:	ST. PAU	JL			
State/Country:	MINNE	SOTA			
Postal Code:	55133-3	3427			
CORRESPONDENCE D		(651)736-7586			
Correspondence will b	e sent to	the e-mail address first; if t ; if that is unsuccessful, it w			
		651-733-1500			
		mmoes@mmm.com			
		PO BOX 33427	NNOVATIVE PROPERTIES COMPANY		
			PAUL, MINNESOTA 55133-3427		
TTORNEY DOCKET NU	JMBER:	78334US004			
NAME OF SUBMITTER:		MONICA J. MOES	MONICA J. MOES		
SIGNATURE:		/Monica J. Moes/	/Monica J. Moes/		
DATE SIGNED:		04/23/2019	04/23/2019		
		This document serves a	s an Oath	h/Declaration (37 CFR 1.63).	
otal Attachments: 3		•			

<ul> <li>DECLARATION AND A</li> </ul>	SSIGNMENT,
FOR UTILITY OR	DESIGN
PATENT APPLICATION	(37 CFR § 1.63)

Case No:

78334US004

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:

### METHOD OF MAKING MAGNETIZABLE ABRASIVE PARTICLES

The	specification of whi	ich;	
	is attached hereto;		
(	was filed on as United States A	Application No.	]
$\boxtimes$	is identified as PC' filed on	T International Application No. October 5, 2017	PCT/US2017/055335

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any wiliful 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 heid 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: Jaime A. Martinez	
Inventor's Signature:	Date:
Colump Charles	04/22/2019

PATENT REEL: 048974 FRAME: 0289

DECLARATION AND AS	SSIGNMENT,
FOR UTILITY OR C	DESIGN
PATENT APPLICATION (	37 CFR § 1.63)

Case No:

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The specification of which:

is attached hereto;

filed on

was filed on
 as United States Application No.

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PCT/US2017/055335

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October 5, 2017

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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: Thomas J. Nelson	
Inventor's Signature:	Date:
There All 200	4-17-19

PATENT REEL: 048974 FRAME: 0290

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

Case No:

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Legal Name of Inventor. Mark A. Lukowski	
Inventor's Signature:	Date: OS APRA ZUNG

PATENT REEL: 048974 FRAME: 0291

**RECORDED: 04/23/2019**