#### 505872377 01/20/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5919205

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ZEBA PARKAR	01/04/2019
RICHARD E. RABY	01/11/2019
JAMES D. HANSEN	02/18/2019

### **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:	16632463

### 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: hhfroelke1@mmm.com

3M INNOVATIVE PROPERTIES COMPANY Correspondent Name:

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	79542US004
NAME OF SUBMITTER:	HYLIS H. FROELKE
SIGNATURE:	/Hylis H. Froelke/
DATE SIGNED:	01/20/2020

# **Total Attachments: 3**

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> **PATENT REEL: 051557 FRAME: 0903** 505872377

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

Case No:

79542US

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:

		Water-Resistant Polyme	r-Based D	ental Articles
The	specification of wh	nich:		
	is attached hereto	$\mathfrak{F}_{i}$		
	was filed on as United States /	Application No.		
$\boxtimes$	is identified as PC filed on	T International Application No. 24 Jul 2018		PCT/US2018/043380
The	above-identified a	pplication was made or authorized to	be made by	me.
ine n ar and and sm assi cont cy n er all L cont cont	or imprisonment of ddition, for good an do hereby assign a COMPANY, and a gns, the entire rightinuation (in whole in the company of the parties Patent, reexisted (including the risonal conventionation (in whole in upon the said investion (in whole in upon the said investion the said investional conventional upon the said investional conventional conventional upon the said investional conventional conventional upon the said investigation in the said investi	f not more than 5 years, or both.  Indivaluable consideration, receipt of valuable consideration, receipt of valuable consideration, receipt of valuable corporation of Delaware, having its pit, title, and interest in and to the said or in part) of said application, and in a with others (provided any such improviousment with 3M COMPANY and any aminations, reissues, or extensions the ight to apply for Letters Patent, Utility any priority rights for such foreign and part), renewal, reexamination, reconstruction, reconstruct	which is acknown to PROPERT rincipal office invention and and to any and the Models, or in pplications to been or massissue, or other held and en	owledged, I have agreed to assign and transfer TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or id all improvements in the said invention made de during, or within one year after the g or future subsidiaries), and in and to any and United States of America and countries foreign ventors' Certificates in foreign countries in its which such applications are entitled under by be granted thereon or on any divisional, er or further application based in whole or in loyed as fully and exclusively as they would
cons that and	sideration any furth may be deemed n	er applications, assignments, and do ecessary by said Company, its succe	cuments, and issors, assign	ors, to execute and deliver without further I to perform such other acts as I lawfully may, is, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
gran		e said applications, to said 3M Innova		any and all Letters Patent which may be es Company, as the assignee of the entire righ
Leg	gal Name of Invent	or:		
Ze	ba Parkar			
lnv	entor's Signature:		Date:	
	Wyr.		1/2	1/2019

PATENT REEL: 051557 FRAME: 0904

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

have been by me had this assignment and transfer not been made;

Case No:

79542US

As a below named inventor, I believe I am an original inventor or an or application and for which a patent is sought on the invention entitled:	iginal joint inventor of a claimed invention in the
Water-Resistant Polymer-Based D	Dental Articles
The specification of which:	
☐ is attached he reto;	
was filed on as United States Application No.	
is identified as PCT International Application No.     filed on	PCT/US2018/043380
The above-identified application was made or authorized to be made by	me.
I hereby acknowledge that any willful false statement made in this decla fine or imprisonment of not more than 5 years, or both.	aration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknown and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal offic assigns, the entire light, title, and interest in and to the said invention are continuation (in whole or in part) of said application, and in and to any a by me or made jointly with others (provided any such improvement is metermination of, my employment with 3M COMPANY and any of its existical 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 to international conventions, treaties, or otherwise), which have been or mecontinuation (in whole or in part), renewal, reexamination, reissue, or otherwise).	TIES COMPANY, a wholly-owned subsidiary of the at Saint Paul, Minnesota, its successors and application, and in and to any division or and all improvements in the said invention made ade during, or within one year after the ang or future subsidiaries), and in and to any and the United States of America and countries foreign Inventors' Certificates in foreign countries in its to which such applications are entitled under any be granted thereon or on any divisional.

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

part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would

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:	
Richard E. Raby	
Inventor's Signature:	Date:
Mind E. R.	1/11/2019

PATENT REEL: 051557 FRAME: 0905

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

is identified as PCT International Application No.

24 Jul 2018

filed on

Case No:

79542US

PCT/US2018/043380

application and for which a patent is sought on the invention entitled:	
Water-Resistant Polymer-Based Dental Articles	
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	

As a below named inventor, I believe I am an original inventor or an original joint inventor of a claimed invention in the

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:	
James D. Hansen	
Inventor's Signature:	Date: 2-18-19

PATENT REEL: 051557 FRAME: 0906

RECORDED: 01/20/2020