## 506000297 04/03/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6047007

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RALF M. PAEHL	11/25/2019
DAVID K. CINADER JR.	10/29/2019
JAMES D. HANSEN	11/13/2019
RICHARD E. RABY	10/30/2019
MICHAEL K. DOMROESE	10/28/2019

#### **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:	16753514

#### **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 rcbode@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	79772US004
NAME OF SUBMITTER:	REBECCA BODE
SIGNATURE:	/Rebecca Bode/
<b>DATE SIGNED:</b> 04/03/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).
	·

**Total Attachments: 5** 



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

Case No:

79772

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:

application and for which a patent is sought on the invention entitled:	
REMOVABLE DENTAL APPLIANCE INCLUDING POSITIONING ME	MBER
The specification of which:	No. XXX
is attached hereto;	
was filed on as United States Application No.	
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 fine or imprisonment of not more than 5 years, or both.	er 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholl 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesot assigns, the entire right, title, and interest in and to the said invention and application, and in and continuation (in whole or in part) of said application, and in and to any and all improvements in the by me or made jointly with others (provided any such improvement is made during, or within one termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of Americation (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in the own name and to claim any priority rights for such foreign applications to which such applications international conventions, treaties, or otherwise), which have been or may be granted thereon or continuation (in whole or in part), renewal, reexamination, reissue, or other or further application part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusions have been by me had this assignment and transfer not been made;	ly-owned subsidiary of ta, its successors and to any division or the said invention made year after the , and in and to any and ca and countries foreign foreign countries in its s are entitled under on any divisional, based in whole or in sively as they would
I do further agree for myself and for my heirs, executors, and administrators, to execute and delivious consideration any further applications, assignments, and documents, and to perform such other a that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Cocountries; and	acts as I lawfully may, o secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Pate granted upon any of the said applications, to said 3M Innovative Properties Company, as the ass title, and interest therein.	
Legal Name of Inventor:	
Ralf M. Paehl	Newspeedstate
Inventor's Signature:  Date:  Nav. 25, 2019	A CONTRACTOR OF THE CONTRACTOR

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

Case No:

79772

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:

application and for inflion a patent to body. It all a mornion	
REMOVABLE DENTAL APPLIANCE IN	ICLUDING POSITIONING MEMBER
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on September 18, 2018	PCT/IB2018/057177
The above-identified application was made or authorized to b	pe made by me.
I hereby acknowledge that any willful false statement made in fine or imprisonment of not more than 5 years, or both.	n this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIVE 3M COMPANY, and a corporation of Delaware, having its prassigns, the entire right, title, and interest in and to the said is continuation (in whole or in part) of said application, and in a by me or made jointly with others (provided any such improve termination of, my employment with 3M COMPANY and any all Letters Patent, reexaminations, reissues, or extensions the thereto (including the right to apply for Letters Patent, Utility own name and to claim any priority rights for such foreign applicational conventions, treaties, or otherwise), which have continuation (in whole or in part), renewal, reexamination, repart upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not been	incipal office at Saint Paul, Minnesota, its successors and nvention and application, and in and to any division or and to any and all improvements in the said invention made ement is made during, or within one year after the of its existing or future subsidiaries), and in and to any and ereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its oplications to which such applications are entitled under to been or may be granted thereon or on any divisional, issue, or other or further application based in whole or in held and enjoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and consideration any further applications, assignments, and do that may be deemed necessary by said Company, its successand interest as aforesaid and to obtain or maintain Letters Pacountries; and	cuments, and to perform such other acts as I lawfully may, ssors, assigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Pate granted upon any of the said applications, to said 3M Innova- title, and interest therein.	ents to issue any and all Letters Patent which may be trive Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
David K. Cinader, Jr.	
Inventor's Signature:	Date: 29 Oct 2019

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

Case No:

79772

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:

application and to trinorial patentile of		
REMOVABLE DENT	AL APPLIANCE INCLUDI	NG POSITIONING MEMBER
The specification of which:		
is attached hereto;		
was filed on		٦
as United States Application No.		
is identified as PCT International	Application No.	PCT/IB2018/057177
filed on September 1		1011020101037111
The above-identified application was r	made or authorized to be made l	py me.
I hereby acknowledge that any willful time or imprisonment of not more than		laration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer und 3M COMPANY, and a corporation of I assigns, the entire right, title, and intercontinuation (in whole or in part) of sa by me or made jointly with others (protermination of, my employment with 3 all Letters Patent, reexaminations, reist thereto (including the right to apply for own name and to claim any priority righternational conventions, treaties, or continuation (in whole or in part), rene	to the 3M INNOVATIVE PROPE Delaware, having its principal off rest in and to the said invention of application, and in and to any wided any such improvement is M COMPANY and any of its exist sues, or extensions thereof, of a Letters Patent, Utility Models, or otherwise), which have been or eval, reexamination, reissue, or exements thereon, to be held and	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 enjoyed as fully and exclusively as they would
consideration any further applications that may be deemed necessary by sa	, assignments, and documents, id Company, its successors, ass	rators, to execute and deliver without further and to perform such other acts as I lawfully may, igns, and nominees, fully to secure its right, title, ity Models, or Inventors' Certificates in any and all
		ue any and all Letters Patent which may be erties Company, as the assignee of the entire right
Legal Name of Inventor:		
James D. Hansen		CONTRACTOR OF THE CONTRACTOR O
Inventor's Signature:	Date:	
1.01	11-1	3-19

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

Case No:

79772

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:

application and for transit a paraticle assignic of the first transit of the	
REMOVABLE DENTAL APPLIANCE INCLUDIN	IG POSITIONING MEMBER
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No.     filed on September 18, 2018	PCT/IB2018/057177
The above-identified application was made or authorized to be made by	y me.
I hereby acknowledge that any willful false statement made in this declar 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 ack 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 right, title, and interest in and to the said invention at continuation (in whole or in part) of said application, and in and to any aby me or made jointly with others (provided any such improvement is m termination of, my employment with 3M COMPANY and any of its exist 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 to international conventions, treaties, or otherwise), which have been or m continuation (in whole or in part), renewal, reexamination, reissue, or of part upon the said invention or improvements thereon, to be held and enhave been by me had this assignment and transfer not been made;	RTIES 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 hade during, or within one year after the ing 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 may be granted thereon or on any divisional, ther or further application based in whole or in
I do further agree for myself and for my heirs, executors, and administrations consideration any further applications, assignments, and documents, at that may be deemed necessary by said Company, its successors, assigned interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	nd to perform such other acts as I lawfully may, gns, 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:	
Richard E. Raby	
Inventor's Signature:  Date:	/30/2019

DECLARATION AND ASSIGNMENT	۲,
FOR UTILITY OR DESIGN	
PATENT APPLICATION (37 CFR § 1.	63)

Case No:

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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:

REMOVABLE DENTAL APPLIANCE	INCLUDING POSITIONING MEMBER
The specification of which:	
is attached hereto;	
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as United States Application No.	
is identified as PCT International Application No.   September 18, 2018	PCT/IB2018/057177
The above-identified application was made or authorized to	n be made by me
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I hereby acknowledge that any willful false statement made fine or imprisonment of not more than 5 years, or both.	e in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATI 3M COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the sai continuation (in whole or in part) of said application, and in by me or made jointly with others (provided any such impretermination of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extensions thereto (including the right to apply for Letters Patent, Utilitiown name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which has continuation (in whole or in part), renewal, reexamination, part upon the said invention or improvements thereon, to be have been by me had this assignment and transfer not be it do further agree for myself and for my heirs, executors, a	and to any and all improvements in the said invention made overment is made during, or within one year after the my of its existing or future subsidiaries), and in and to any and thereof, of the United States of America and countries foreign by Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under we been or may be granted thereon or on any divisional, reissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would be made;
that may be deemed necessary by said Company, its succ	essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of Pagranted upon any of the said applications, to said 3M Inno title, and interest therein.	atents to issue any and all Letters Patent which may be vative Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
Michael, K. Domroese	
Inventor's Signature:	Date:
1-1-1-1	
D. Add Horn	10-28-2019