506000921 04/06/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6047631

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZEBA PARKAR	07/16/2019
JONATHAN E. JANOSKI	10/15/2019
CARLA S. THOMAS	07/16/2019
ROBERT J. DEVOE	09/13/2019
AHMED S. ABUELYMAN	09/11/2019
ERIC W. NELSON	07/16/2019
RICHARD B. ROSS	07/23/2019
JOHN M. RIEDESEL	07/16/2019

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:	16753871

CORRESPONDENCE DATA

Fax Number: (651)736-3831

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: cwagner01@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:	79537US007
NAME OF SUBMITTER:	COLLEEN M. WAGNER
SIGNATURE:	/Colleen M. Wagner/

PATENT 506000921 REEL: 052317 FRAME: 0474

DATE SIGNED: 04/06/2020		
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 8	•	
source=DeclarationAssignment_79537	US007#page1.tif	
source=DeclarationAssignment_79537US007#page2.tif		
source=DeclarationAssignment_79537US007#page3.tif		
source=DeclarationAssignment_79537US007#page4.tif		
source=DeclarationAssignment_79537US007#page5.tif		
source=DeclarationAssignment_79537US007#page6.tif		
source=DeclarationAssignment_79537US007#page7.tif		
source=DeclarationAssignment_79537	US007#page8.tif	

Case No:

79537US

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:

		CLUDING A URETHANE COMPONENT AND LUENT, ARTICLES, AND METHODS
The specification of wh	nich:	
is attached hereto	o;	
was filed on as United States	Application No.	
is identified as PO	CT International Application No. November 9, 2018	PCT/US2018/060014
The above-identified a	pplication was made or authorized to	be made by me.
	that any willful false statement made f not more than 5 years, or both.	in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign 3M COMPANY, and a 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 claim international convention continuation (in whole part upon the said investigation).	and transfer unto the 3M INNOVATIVE corporation of Delaware, having its pot, title, and interest in and to the said or in part) of said application, and in with others (provided any such improployment with 3M COMPANY and any caminations, reissues, or extensions tright to apply for Letters Patent, Utility or any priority rights for such foreign a ons, treaties, or otherwise), which have or in part), renewal, reexamination, re	which is acknowledged, I have agreed to assign and transfer PROPERTIES COMPANY, a wholly-owned subsidiary of rincipal office at Saint Paul, Minnesota, its successors and invention and application, and in and to any division or and to any and all improvements in the said invention made vernent is made during, or within one year after the y of its existing or future subsidiaries), and in and to any and hereof, of the United States of America and countries foreign Models, or Inventors' Certificates in foreign countries in its pplications to which such applications are entitled under e been or may be granted thereon or on any divisional, eissue, or other or further application based in whole or in the held and enjoyed as fully and exclusively as they would in made;
consideration any furth	ner applications, assignments, and do secessary by said Company, its succe	d 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, litts. Patent, Utility Models, or Inventors' Certificates in any and all
	ne 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
Legal Name of Inven	tor:	The second secon
Zeba Parkar		
Inventor's Signature:		Date:
Mu		07/10/2010

Case No:

79537US

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:

· · · · · · · · · · · · · · · · · · ·	INCLUDING A URETHANE COMPONENT AND DILUENT, ARTICLES, AND METHODS
The specification of which:	
is attached hereto;	
was filed on	
as United States Application No.	
is identified as PCT International Application No. filed on November 9, 2018	PCT/US2018/060014
The above-identified application was made or authorized	to be made by me.
I hereby acknowledge that any willful false statement ma fine or imprisonment of not more than 5 years, or both.	de in this declaration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVA 3M COMPANY, and a corporation of Delaware, having its assigns, the entire right, title, and interest in and to the sacontinuation (in whole or in part) of said application, and by me or made jointly with others (provided any such impermination of, my employment with 3M COMPANY and all Letters Patent, reexaminations, reissues, or extension thereto (including the right to apply for Letters Patent, Utiown name and to claim any priority rights for such foreign international conventions, treaties, or otherwise), which he continuation (in whole or in part), renewal, reexamination	any of its existing or future subsidiaries), and in and to any and is thereof, of the United States of America and countries foreign lity Models, or Inventors' Certificates in foreign countries in its applications to which such applications are entitled under nave been or may be granted thereon or on any divisional, are reissue, or other or further application based in whole or in be held and enjoyed as fully and exclusively as they would
consideration any further applications, assignments, and that may be deemed necessary by said Company, its suc	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may coessors, assigns, and nominees, fully to secure its right, title, is Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize and request the Commissioner of F granted upon any of the said applications, to said 3M Inn title, and interest therein.	Patents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inventor:	
Jonathan E. Janoski	
Inventor's Signature:	Date:
Amothen Edanolii	10-15-2019

Case No:

79537US

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:

t	RIZABLE COMPOSITIONS IN PFUNCTIONAL REACTIVE DI		A URETHANE COMPONENT AND RTICLES, AND METHODS
The specification of wh	ich:		
is attached hereto	S.		
☐ was filed on as United States /	Application No.		
⊠ is identified as PC filed on	T International Application No. November 9, 2018		PCT/US2018/060014
The above-identified as	oplication was made or authorized to	be made by	me.
	that any willful false statement made not more than 5 years, or both.	in this declar	ation is punishable under 18 U.S.C. 1001 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, reexistereto (including the right own name and to claim international convention continuation (in whole opart upon the said invehave been by me had to do further agree for medical said invehave been by me had to the said further agree for medical said invehave to the said invehave been by me had to the said further agree for medical said invehave to the said further agree for medical said invehave the said further agree for medical said invehave the said further agree for medical said invehave the said further agree for medical said said said said said said said said	and transfer unto the 3M INNOVATIVe corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in a with others (provided any such improvided any such improvided any and any aminations, reissues, or extensions to ght to apply for Letters Patent, Utility any priority rights for such foreign ans, treaties, or otherwise), which have in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not beer yself and for my heirs, executors, an	E PROPERT rincipal office invention and and to any and administrate inventions to administrate.	owledged, I have agreed to assign and transfer IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and I application, and in and to any division or d 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 inventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, er or further application based in whole or in oyed as fully and exclusively as they would ors, to execute and deliver without further I to perform such other acts as I lawfully may,
that may be deemed no	ecessary by said Company, its succe	essors, assign	s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
	e said applications, to said 3M Innov		any and all Letters Patent which may be as Company, as the assignee of the entire right,
Legal Name of Invent	or;	•••••	
Carla S. Thomas			
Inventor's Signature:	s 8	Date:	
Parla X	thomas	7/10	

Case No:

79537US

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:

PHOTOPOLYMERIZABLE COMPOSITIONS INCLUDING A URETHANE COMPONENT AND

	A MONC	FUNCTIONAL REACTIVE DI	LUENT, AI	RTICLES, AND METHODS	*****
The	specification of wh	ich:			
	is attached hereto	X ₂ .			
	was filed on				
	as United States	Application No.			
Ø	is identified as PC filed on	T International Application No. November 9, 2018		PCT/US2018/060014	
The	above-identified a	oplication was made or authorized to	be made by	me.	
fine in a and and 3M assi coni py ri ern all L ther coni cart hav	or imprisonment of ddition, for good ar do hereby assign a COMPANY, and a igns, the entire rightinuation (in whole me or made jointly whination of, my empletters Patent, reex reto (including the right name and to claim mational convention tinuation (in whole is upon the said inverse been by me had to	Inot more than 5 years, or both, and valuable consideration, receipt of and transfer unto the 3M INNOVATIVE corporation of Delaware, having its pet, title, and interest in and to the said or in part) of said application, and inwith others (provided any such improvement with 3M COMPANY and any aminations, reissues, or extensions tight to apply for Letters Patent, Utility in any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not bee	which is acknown by PROPERT or incipal office invention and to any any of its existing thereof, of the Models, or inspections to been or male issue, or other made;	ation is punishable under 18 U.S.C. 1001 by owledged, I have agreed to assign and transface at Saint Paul, Minnesota, its successors and application, and in and to any division or ad all improvements in the said invention madde during, or within one year after the g or future subsidiaries), and in and to any are United States of America and countries foreinventors' 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 joyed as fully and exclusively as they would	of e id gn
con: hat and	sideration any furth may be deemed no	er applications, assignments, and do ecessary by said Company, its succe	ocuments, and essors, 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 a	,
grar		e said applications, to said 3M Innov		any and all Letters Patent which may be es Company, as the assignee of the entire rig	ıht,
Le	gal Name of Invent	or:			
R	obert J. DeVoe			nomen a	
Inv	ventor's Signature:		Date:	<i>20</i> /9	

Case No:

79537US

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:

PHOTOPOLYMERIZABLE COMPOSITIONS INCLUDING A URETHANE COMPONENT AND A MONOFUNCTIONAL REACTIVE DILUENT, ARTICLES, AND METHODS

A MONC	PROPERTIONAL REACTIVE DI	LUENT, ARTIC	LES, AND METHODS
The specification of wh	ich:		
is attached hereto	p ;		
was filed on as United States	Application No.		
is identified as PC filed on	T International Application No. November 9, 2018	PC	T/US2018/060014
	pplication was made or authorized to		
	that any willful false statement made f not more than 5 years, or both.	in this declaration	is punishable under 18 U.S.C. 1001 by
3M COMPANY, and a 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 claim international conventio continuation (in whole part upon the said inve	corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improbloyment with 3M COMPANY and an aminations, reissues, or extensions ight to apply for Letters Patent, Utility any priority rights for such foreign ans, treaties, or otherwise), which have or in part), renewal, reexamination, reincomparts.	orincipal office at Sa I invention and appl and to any and all invement is made du y of its existing or fithereof, of the United Models, or Inventor applications to which we been or may be decissue, or other or the held and enjoyed	mprovements in the said invention made
consideration any furth that may be deemed n	ecessary by said Company, its succ	ocuments, and to pe essors, assigns, an	o execute and deliver without further erform such other acts as I lawfully may, d nominees, fully to secure its right, title, ls, or Inventors' Certificates in any and all
l do hereby authorize a granted upon any of th title, and interest there	and request the Commissioner of Par e said applications, to said 3M Innov in.	ents to issue any a ative Properties Co	nd all Letters Patent which may be impany, as the assignee of the entire righ
Legal Name of Invent	or.		
Ahmed S. Abuely			
Inventor's Signature:		Date:	
thed Abi	celyanne	9-11	-2019

PATENT

REEL: 052317 FRAME: 0480

Case No:

79537US

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:

PHOTOPOLYMERIZABLE COMPOSITIONS INCLUDING A URETHANE COMPONENT AND A MONOFUNCTIONAL REACTIVE DILUENT. ARTICLES. AND METHODS The specification of which: is attached hereto; was filed on as United States Application No. PCT/US2018/060014 is identified as PCT International Application No. November 9, 2018 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; t 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: Eric W. Nelson Inventor's Signature: Date: aiw.ML 7/16/19

Case No:

79537US

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:

A MONOFUNCT	E COMPOSITIONS IN TONAL REACTIVE DII	ICLUDING A URETHAI LUENT, ARTICLES, AI	NE COMPONENT AND ND METHODS
The specification of which:			
is attached hereto;			
was filed on as United States Application	n No.		
is identified as PCT Interna filed on Novem	tional Application No. ber 9, 2018	PCT/US201	8/060014
The above-identified application	was made or authorized to	be made by me.	
I hereby acknowledge that any water fine or imprisonment of not more	rillful false statement made than 5 years, or both.	in this declaration is punisha	ble under 18 U.S.C. 1001 by
In addition, for good and valuable and do hereby assign and transfind COMPANY, and a corporation assigns, the entire right, title, and continuation (in whole or in part) by me or made jointly with others termination of, my employment wall Letters Patent, reexamination thereto (including the right to approximate and to claim any prior international conventions, treatied continuation (in whole or in part), part upon the said invention or in have been by me had this assign	er unto the 3M INNOVATIVION of Delaware, having its pro- d interest in and to the said it of said application, and in a selection of the said application, and in a selection of the said any such improve with 3M COMPANY and any selections, or extensions the said for Letters Patent, Utility rights for such foreign approvements thereon, to be a peroverselection of the said and the said approvements thereon, to be	E PROPERTIES COMPANY rincipal office at Saint Paul, I invention and application, are and to any and all improvement is made during, or with of its existing or future substances, of the United States of Models, or Inventors' Certifications to which such applications are the provided as fully are the provided and enjoyed as fully are the such as fully as fully are the such as fully	/, a wholly-owned subsidiary of Minnesota, its successors and id in and to any division or ents in the said invention made thin one year after the idiaries), and in and to any and of America and countries foreign cates in foreign countries in its olications are entitled under ereon or on any divisional, oblication based in whole or in Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest Interest
I do further agree for myself and consideration any further applica that may be deemed necessary that may be deemed necessary that interest as aforesaid and to countries; and	tions, assignments, and doc by said Company, its succes	cuments, and to perform suc ssors, assigns, and nominee	h other acts as I lawfully may,
I do hereby authorize and reques granted upon any of the said app title, and interest therein.	it the Commissioner of Pate lications, to said 3M Innova	ents to issue any and all Letti tive Properties Company, as	ers Patent which may be the assignee of the entire right,
Legal Name of Inventor:			
Richard B. Ross			
Inventor's Signature:		Date: 7/23/19	

RECORDED: 04/06/2020

Case No:

79537US

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:

		RIZABLE COMPOSITIONS II DFUNCTIONAL REACTIVE D		A URETHANE COMPONENT AND RTICLES, AND METHODS	
The specifica	ation of wh	ních:			
is attach	hed hereto	n,			
was file		Application No.			
is identi filed on		T International Application No. November 9, 2018		PCT/US2018/060014	
The above-io	dentified a	pplication was made or authorized to	be made by	mė.	
		that any willful false statement made f not more than 5 years, or both.	in this declar	ration is punishable under 18 U.S.C. 1001 by	y
and do hereband COMPAN assigns, the continuation by me or ma- termination of all Letters Pathereto (inclu- tions name are international continuation part upon the nave been by	by assign and a entire righ (in whole de jointly of, my empatent, reexiding the radio convention (in whole e said inverse of the convention).	and transfer unto the 3M INNOVATION corporation of Delaware, having its part, title, and interest in and to the said or in part) of said application, and in with others (provided any such improving the said application, and an aminations, reissues, or extensions ight to apply for Letters Patent, Utility any priority rights for such foreign any priority rights for such foreign ans, treaties, or otherwise), which have in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not been	VE PROPERT principal office of invention and and to any are overent is many of its existing thereof, of the y Models, or limited and the principal of the principal of the principal of the held and enter made;	nowledged, I have agreed to assign and trans TIES COMPANY, a wholly-owned subsidiary e at Saint Paul, Minnesota, its successors ar ad application, and in and to any division or ade during, or within one year after the age or future subsidiaries), and in and to any a e United States of America and countries for Inventors' Certificates in foreign countries in it o which such applications are entitled under ay be granted thereon or on any divisional, her or further application based in whole or in ajoyed as fully and exclusively as they would tors, to execute and deliver without further	of nd nde and eign its
consideratior hat may be o	n any furth deemed n as aforesa	er applications, assignments, and decessary by said Company, its succ	ocuments, and essors, assigr	id to perform such other acts as I lawfully mans, and nominees, fully to secure its right, titl Models, or Inventors' Certificates in any and	le,
do hereby a granted upor itle, and inte	any of th	e said applications, to said 3M Innov	tents to issue /ative Properti	any and all Letters Patent which may be ties Company, as the assignee of the entire r	ight,
Legal Name	of Invent	OF:			7
John M. I	Riedese	I			
Inventor's S	_		Date:		1
John	Luck	sel	7/	16/19	