505148702 10/18/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5195469

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK GRAVERMANN	09/17/2018
GUNTHER A.J. STOLLWERCK	09/18/2018
MICHAEL H. STALDER	09/18/2018
GERHARD LOHMEIER	09/18/2018
BERND SCHUBERT	09/20/2018
RAINER REEKEN	09/18/2018
JENS WEICHOLD	10/09/2018

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:	16087768	

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:** rchery@mmm.com

Correspondent Name: 3M INNOVATIVES PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	77572US005
NAME OF SUBMITTER:	RACHELLE CHERY
SIGNATURE:	/Rachelle Chery/
DATE SIGNED:	10/18/2018

PATENT REEL: 047219 FRAME: 0934

505148702

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

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PATENT REEL: 047219 FRAME: 0935

Case No:

77572US005

As a below named invapplication and for wh	entor, I believe I am an original inv ich a patent is sought on the inventi	entor or an ori ion entitled:	ginal joint inventor of a claimed invention in the
	ELASTIC SLEEVE FOR	A POWER	CONDUCTOR
The specification of wi			
is attached heret	0;		
was filed on as United States	Application No.		
is identified as Po	CT International Application No. December 23, 2016		PCT/US2016/068492
The above-identified a	pplication was made or authorized t	to be made by	me.
I hereby acknowledge		•	ration is punishable under 18 U.S.C. 1001 by
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 invehave been by me had to	corporation of Delaware, having its at, title, and interest in and to the sai or in part) of said application, and in with others (provided any such improloyment with 3M COMPANY and at 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, ention or improvements thereon, to be this assignment and transfer not beautiful parts.	principal office d invention and and to any an ovement is ma ny of its existin thereof, of the ty Models, or In applications to ove been or ma reissue, or oth be held and enj en made;	TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and dapplication, and in and to any division or 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 eventors' 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
that may be deemed n	er applications, assignments, and d ecessary by said Company, its succ	locuments, and lessors, assign	ors, to execute and deliver without further I to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Models, or Inventors' Certificates in any and all
l do hereby authorize a granted upon any of the litle, and interest therei	e said applications, to said 3M Innov	tents to issue a vative Propertion	any and all Letters Patent which may be es Company, as the assignee of the entire right,
Legal Name of Invent	Or:	000000000000000000000000000000000000000	
MARK GRAVERN			
Inventor's Signature:		Date:	
M. Spoo			09.2018
7	***************************************	£	

PATENT

Case No:

77572US005

As a below named inventor, I believe I am an original inventor or an o	riginal joint inventor of a claimed invention in the
application and for which a patent is sought on the invention entitled:	

ELASTIC SLEEVE FOR A POWER CONDUCTOR					
The specification of which:					
is attached hereto;	is attached hereto;				
was filed on as United States Application No.					
is identified as PCT International Application No. filed on December 23, 2016	PCT/US2016/068492				

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:	Man,
GUNTHER A.J. STOLLWERCK	
Inventor's Signature:	Date:
101/44	0 0 00 10
	6078 - 0J - 10

Case No:

77572US005

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:

	ELASTIC SLEEVE FOR A POWER CONDUCTOR			
The	specification of whi	ch:		
	is attached hereto;			
	was filed on as United States A	Application No.		
is identified as PCT International Application No. filed on December 23, 2016			PCT/US2016/068492	

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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:			
MICHAEL H. STALDER			
4	Inventor's Signature:	Date:	
and the first in the first of t	h/W-	18,09.2018	
	/ //		

Case No:

77572US005

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As a below named investigation and for which	rentor, I believe I am an original inventor of the invention on the invention ent	or an original joint inventor of a claimed invention in the titled:
	ELASTIC SLEEVE FOR A PC	OWER CONDUCT OR
The specification of wh	nich:	
is attached hereto	>:	
was filed on as United States	Application No.	
⊠ is identified as PC filed on	T International Application №. December 23, 2018	PCT/US2016/068492
The above-identified a	pplication was made or authorized to be n	made b∨ me.
and do hereby assign a 3M COMPANY, and a assigns, the entire right continuation (in whole of by me or made jointly watermination of, my emp all Letters Patent, reexo thereto (including the right own name and to claim international convention continuation (in whole of part upon the said invention part upon the said invention and interest as aforesa countries; and	and transfer unto the 3M INNOVATIVE PI corporation of Delaware, having its principit, tille, and interest in and to the said inverser in part) of said application, and in and twith others (provided any such improvement with 3M COMPANY and any of it aminations, reissues, or extensions there ight to apply for Letters Patent, Utility Modern any priority rights for such foreign application or improvements thereon, to be held this assignment and transfer not been manyself and for my heirs, executors, and additionally assignment, assignments, and documents assignment and transfer not been manyself and for my heirs, executors, and additionally assignments, and documents assignment and transfer not been manyself and for my heirs, executors, and additionally assignments, and documents assignments and to obtain or maintain Letters Patents and request the Commissioner of Patents e said applications, to said 3M Innovative	th is acknowledged. I have agreed to assign and transfer ROPERTIES COMPANY, a wholly-owned subsidiary of ipal office at Saint Paul, Minnesota, its successors and ention and application, and in and to any division or to any and all improvements in the said invention made ent is made during, or within one year after the its existing or future subsidiaries), and in and to any and ecf, of the United States of America and countries foreign dels, or inventors' Certificates in foreign countries in its cations to which such applications are entitled under sen or may be granted thereon or on any divisional, ue, or other or further application based in whole or in id and enjoyed as fully and exclusively as they would ade; Imministrators, to execute and deliver without further nents, and to perform such other acts as I lawfully may, rs, assigns, and nominees, fully to secure its right, title, nt, Utility Models, or Inventors' Certificates in any and all to issue any and all Letters Patent which may be a Properties Company, as the assignee of the entire right,

Legal Name of Inventor:

GERHARD LOHIMEIER
Inventor's Signature:

Date:

18.05.2018

PATENT REEL: 047219 FRAME: 0939

Case No:

77572US005

As a	e below	named	inventor,	l believe l	am an or	iainal i	inventor	or an	original	ioint i	nventor	റെട്ട	hamad	invantinn	in the
app	lication	and for	which a p	atent is sou	ight on th	e inve	ntion en	titled:	og	Jon 24 c		O1 64 1	JEHROO	u recition.	iii uic

	ELASTIC SLEEVE FOR A POW	ER CONDUCTOR
The	specification of which:	
	is attached hereto;	
	was filed on	
	as United States Application No.	
Ø	is identified as PCT International Application No.	PCT/US2016/068492
	filed on December 23, 2016	
he	above-identified application was made or authorized to be made	by me.
	above-identified application was made or authorized to be made	•

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:	Metaleneneessa (1990)			
BERND SCHUBERT				
Inventor's Signature:	Date:			
Red Sce-bed	20.03.2018			

Case No:

77572US005

As a below named inventor. I believe I am an original invent

a patent is sought on the invention enti	
ELASTIC SLEEVE FOR A PO	WER CONDUCTOR
The specification of which:	
is attached hereto;	
was filed on	
as United States Application No.	
is identified as PCT International Application No.	PATHOON
filed on December 23, 2016	PCT/US2016/068492
The above-identified application was made or authorized to be m	
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do hereby authorize and request the Commissioner of Patents to pranted upon any of the said applications, to said 3M Innovative Patents and interest therein.	issue any and all Letters Patent which may be roperties Company, as the assignee of the entire right,
Legal Name of Inventor:	
RAINER REEKEN	**************************************
Inventor's Signature: Date:	

18. Sept. Zo18

Case No:

77572US005

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:

ELASTIC SLEEVE FOR A	POWER CONDUCTOR
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
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RECORDED: 10/18/2018

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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: JENS WEICHOLD		
Inventor's Signature:	Date:	***************************************
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PATENT