## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6620105

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GUNTHER A. J. STOLLWERCK	06/09/2020
MARK GRAVERMANN	06/09/2020
JENS WEICHOLD	06/09/2020
SEBASTIAN EGGERT-RICHTER	06/29/2020
MICHAEL H. STALDER	06/08/2020

#### 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:	17250905

#### **CORRESPONDENCE DATA**

**Fax Number:** (651)736-7586

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:** 6517331500

Email: ttcollier@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P. O. BOX 33427

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

Total Attackments, 5	
	This document serves as an Oath/Declaration (37 CFR 1.63).
DATE SIGNED:	03/24/2021
SIGNATURE:	/Theresa T. Collier/
NAME OF SUBMITTER:	THERESA T. COLLIER
ATTORNEY DOCKET NUMBER:	81167US006

Total Attachments: 5

PATENT REEL: 055705 FRAME: 0340

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> PATENT REEL: 055705 FRAME: 0341

Case No:

81167WO003

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:	
ENCAPSULATED PRINTED CIRCUIT	BOARD ASSEMBLY
The specification of which:	
☐ is attached hereto; ☐ was filed on ☐ as United States Application No.	
is identified as PCT International Application No.  filed on  October 16, 2019	PCT/IB2019/058838
The above-identified application was made or authorized to be made b	y me.
I hereby acknowledge that any willful false statement made in this decline 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 ach	roculaded. I have agreed to assign and transfer

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:						
Gunther A.J. Stollwerck						
Inventor's Signature:	Date: Neuss, 2020-06-09					

Case No:

81167WO003

As a b	r wolek	iamed	inventor	yeiled I ;	elam	38	original	invento	or an	original	joint	inventor	oi a	damed	invent	ion in	ine
applica	ation a	nd for	which a	patent is	sough	ែនព	the inv	ention e	ntitled:								

		ENCAPSULATED PRINT	ED CIRCUIT BI	DARD ASSEMBLY
The s	specification of wh	ich:		
	is attached heret	ġ;		
m	was filed on			
, Out-of	as United States	Application No.		
1521	is identified as Pi	CT International Application No.		PCT/IB2019/058838
X	filed on	October 16, 2019		
The a	above-identified ap	plication was made or authorize	ed to be made by n	ne.
fine o In ad and o	or imprisonment of dition, for good an do hereby assign a	not more than 5 years, or both. d valuable consideration, receip and transfer unto the 3M INNOV	nt of which is ackno ATIVE PROPERTI	ition is punishable under 18 U.S.C. 1001 by wledged, I have agreed to assign and transfer ES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and
contiliby manual Lead Lead Lead Lead Lead Lead Lead Lead	nuation (in whole of e or made jointly vination of, my emp etters Patent, reexisto (including the riname and to claim name and to claim national convention nuation (in whole of upon the said inveloe to been by me had to	or in part) of said application, an with others (provided any such in loyment with 3M COMPANY an aminations, reissues, or extensi ght to apply for Letters Patent, the any priority rights for such fore as, treaties, or otherwise), which or in part), renewal, reexaminati intion or improvements thereon, his assignment and transfer not	id in and to any and in provement is mad dany of its existing one thereof, of the Utility Models, or In ign applications to a have been or may on, reissue, or other to be held and enjocen made;	application, and in and to any division or f all improvements in the said invention made the 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 to be granted thereon or on any divisional, er or further application based in whole or in oyed as fully and exclusively as they would
consi that r and i	ideration any furth may be deemed n	er applications, assignments, ai scessary by said Company, its :	nd documents, and successors, assign	ers, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, alodels, or inventors' Certificates in any and all
grant		e said applications, to said 3M l		any and all Letters Patent which may be as Company, as the assignee of the entire right
Le	gal Name of Inver	itor		***************************************
W	ark Gravermai	3n		
100	ventor's Signature		Date:	
uaaaaa	1/// <	·	090	6.2020

**PATENT** 

**REEL: 055705 FRAME: 0343** 

Case No:

81167WQ003

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:

applice	SHOLL SHO TOL MUICI	a patent is sought on the inventior	з елинеа:
	E	NCAPSULATED PRINTED	CIRCUIT BOARD ASSEMBLY
The sp	ecification of which	sh:	
	s attached hereto	e: \$	
	was filed on as United States /	Application No.	
	s identified as PC filed on	T International Application No. October 16, 2019	PCT/IB2019/058838
The ab	ove-identified app	olication was made or authorized to	be made by me.
fine or in addition and do 3M CC assignation by me terminal Letting the continuity part up have b	imprisonment of ration, for good and hereby assign are IMPANY, and a cross, the entire right, lation (in whole or made jointly with attention of, my emploiders Patent, reexart (including the right and to claim a tional conventions lation (in whole or the said invention by me had the	valuable consideration, receipt of bittle, and interest in and to the said in part) of said application, and in a thothers (provided any such improvement with 3M COMPANY and any minations, reissues, or extensions that to apply for Letters Patent, Utility any priority rights for such foreign at the part, renewal, reexamination, retion or improvements thereon, to be its assignment and transfer not beer	
conside that ma and int	eration any further sy be deemed nec	r applications, assignments, and do ressary by said Company, its succe	d administrators, to execute and deliver without further cuments, and to perform such other acts as I lawfully may, essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
granted	reby authorize and dupon any of the dinterest therein.	said applications, to said 3M Innova	ents to issue any and all Letters Patent which may be ative Properties Company, as the assignee of the entire right.
Lega	I Name of Invent	)£)	
Jen	s Weichold		
Inve	ntor's Signature:	A:	Date:
***************************************	). LQ	\	7~~e 03, 2020

PATENT REEL: 055705 FRAME: 0344

Case No:

81167WO003

As a below named inventor. I believe I am an original inventor or an original joint inventor.

application and for wi	nich a patent is sought on the inven	tion entitled:
	ENCAPSULATED PRINTE	D CIRCUIT BOARD ASSEMBLY
The specification of w		
is attached her	eto;	
was filed on as United State	s Application No.	
is identified as filed on	PCT International Application No. October 16, 2019	PCT/IB2019/058838
The above-identified	application was made or authorized	to be made by me.
hereby acknowledge ine or imprisonment	e that any willful false statement ma of not more than 5 years, or both.	de in this declaration is punishable under 18 U.S.C. 1001 by
assigns, the entire rig continuation (in whole by me or made jointly ermination of, my em all Letters Patent, ree hereto (including the bwn name and to clai international conventi- continuation (in whole bart upon the said inv have been by me had do further agree for it consideration any furt	Iff, tille, and interest in and to the set or in part) of said application, and with others (provided any such important with 3M COMPANY and examinations, reissues, or extension right to apply for Letters Patent, Utim any priority rights for such foreignons, treaties, or otherwise), which he or in part), renewal, reexamination ention or improvements thereon, to this assignment and transfer not be myself and for my heirs, executors, her applications, assignments, and	and administrators, to execute and deliver without further documents, and to perform such other acts as I lawfully may,
nat may be deemed i	necessary by said Company, its suc	ccessors, assigns, and nominees, fully to secure its right, title, s Patent, Utility Models, or Inventors' Certificates in any and all
	ne said applications, to said 3M Inne	Palents to issue any and all Letters Patent which may be ovative Properties Company, as the assignee of the entire right
Legal Name of Inve	ntor:	
Sebastian Eggi		
Inventor's Signature		Date:
Jan	21 L	2020 - 66 - 19

**PATENT REEL: 055705 FRAME: 0345** 

Case No:

81167WO003

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:

The state of the invention entitled.							
ENCAPSULATED PRINTED CIRCUIT BOARD ASSEMBLY							
The specification of which:							
is attached hereto;							
was filed on as United States Application No.							
is identified as PCT International Application No.  filed on October 16, 2019	PCT/IB2019/058838						

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, and interest therein.

Legal Name of Inventor: Michael H. Stalder	
Inventor's Signature:	08,06.2020

PATENT REEL: 055705 FRAME: 0346

RECORDED: 03/24/2021