PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3006529

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN T. AWISZUS	04/07/2014
JOHAN M. SALLANDER	04/10/2014

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:	29470530

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: 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:	74682US002	
NAME OF SUBMITTER:	REBECCA C. BODE	
SIGNATURE:	/Rebecca C. Bode/	
DATE SIGNED:	09/03/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT REEL: 033656 FRAME: 0664 502959931

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

Case No:

74682US002

Company and the second			
As a below named invapplication and for wh	entor, I believe I am an original inven ich a patent is sought on the invention	tor or an original joint inventor of a claime entitled:	d invention in the
	COMMUNICATION H	THE PARTY OF THE P	
The specification of wi	hich:		
is attached heret	o;		
⊠ was filed on	October 22, 2013		i.e
as United States		29/470530	
is identified as Pi	CT International Application No.		
The above-identified a	application was made or authorized to	be made by me.	
fine or imprisonment of	of not more than 5 years, or both.	in this declaration is punishable under 18 to which is acknowledged. I have agreed to as	
3M COMPANY, and a assigns, the entire rig continuation (in whole by me or made jointly termination of, my em all Letters Patent, ree thereto (including the own name and to clai international conventicontinuation (in whole part upon the said investee by me had	corporation of Delaware, having its p ht, title, and interest in and to the said or in peri) of said application, and in- with others (provided any such impro- iployment with 3M COMPANY and an xaminations, reissues, or extensions t right to apply for Letters Patent, Utility in any priority rights for such foreign a ons, freaties, or otherwise), which have or in part), renewal, reexamination, re- rention or improvements thereon, to be tithis assignment and transfer not bee		successors and ny division or d invention made after the in and to any and d countries foreign in countries in its entitled under ny divisional, d in whole or in as they would
consideration any fur	ther applications, assignments, and do necessary by said Company, its succ	d administrators, to execute and deliver wi currients, and to perform such other acts a essors, assigns, and nominees, fully to sec Patent, Utility Models, or Inventors' Certification	as I lawfully may, cure its right, title,
I do hereby authorize granied upon any of I title, and interest ther	the said applications, to said 3M Innov	ents to issue any and all Letters Patent whative Properties Company, as the assigned	rich may be e of the entire righ
Legal Name of Inve Steven T. Awis:			
Inventor's Signature	3 .	Date:	
I la	T. Alingos	4-7-2014	

PATENT REEL: 033656 FRAME: 0665

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

Case No:

74682US002

	COMMUNICATION HEA	DSET CARRIER
The specification of w	hich:	
is attached heret	o _r	
⊠ was filed on	October 22, 2013	
as United States	Application No.	29/470530
is identified as P filed on	CT International Application No.	
The above-identified	application was made or authorized to be	made by me.
	that any willful false statement made in to If not more than 5 years, or both.	nis declaration is punishable under 18 U.S.C. 1001 by
	nd valuable consideration, receipt of which	h is acknowledged, I have agreed to assign and transfer

10 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, little, 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, release, 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: Johan M. Sallander	
Inventor's Signature:	Date:
Manighta	2014.04.10

PATENT REEL: 033656 FRAME: 0666