504804176 03/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4850908

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIRAN S. KANUKURTHY	03/01/2018
STEVEN T. AWISZUS	11/10/2017
ERIC C. LOBNER	11/15/2017
MICHAEL G. WURM	11/10/2017
KENNETH J. GAMBERINI	11/17/2017

RECEIVING PARTY DATA

Name:	3M INNOVATIVE PROPERTIES COMPANY
Street Address:	P.O. BOX 33427
City:	SAINT PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15782676

CORRESPONDENCE DATA

Fax Number:

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.

Email: mekosloski@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: P.O. BOX 33427

Address Line 4: SAINT PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER: 78906US004	
NAME OF SUBMITTER:	MYCKI E. KOSLOSKI
SIGNATURE:	/Mycki E. Kosloski/
DATE SIGNED:	03/05/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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PATENT REEL: 045106 FRAME: 0809

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Case No:

78906US004

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:

CONTEXT-BA	SED PROGRAMMABLE SAFE EQUIP	ETY RULES FOR PERSONAL PROTECTIVE MENT
The specification of w	hich:	
is attached heret	0;	
was filed on as United States	October 12, 2017 Application No.	15/782,676
is identified as P	CT International Application No.	
The above-identified a	application was made or authorized to	be made by me.
I hereby acknowledge fine or imprisonment of	that any willful false statement made of 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 rigit continuation (in whole by me or made jointly termination of, my em all Letters Patent, rest thereto (including the own name and to clair international convention continuation (in whole part upon the said invitave been by me had I do further agree for ronsideration any furtiles.	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 with others (provided any such improployment with 3M COMPANY and any xaminations, reissues, or extensions tright to apply for Letters Patent, Utility many priority rights for such foreign a cons, treaties, or otherwise), which have or in part), renewal, reexamination, reention or improvements thereon, to be this assignment and transfer not been myself and for my heirs, executors, and do applications, assignments, and do	nd administrators, to execute and deliver without further ocuments, and to perform such other acts as I lawfully may
that may be deemed r and interest as afores countries; and	necessary by said Company, its succe aid and to obtain or maintain Letters F	essors, assigns, and nominees, fully to secure its right, title, Patent, Utility Models, or Inventors' Certificates in any and all
I do hereby authorize granted upon any of th title, and interest there	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		
Kiran S. Kanuku		
Inventor's Signature:		Date: の 3 - 0 / - / 8

Case No:

78906US004

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:

CONTEXT-BASED PROGRA	MMABLE SAFETY RULE: EQUIPMENT	S FOR PERSONAL PROTECTIVE
The specification of which:		
is attached hereto;		
was filed on October 12, 20 as United States Application No.	017	15/782,676
is identified as PCT International A	pplication No.	
The above-identified application was ma	ade or authorized to be made by	me.
I hereby acknowledge that any willful fal fine or imprisonment of not more than 5		ration is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto 3M COMPANY, and a corporation of De assigns, the entire right, title, and interecontinuation (in whole or in part) of said by me or made jointly with others (provietermination of, my employment with 3M all Letters Patent, reexaminations, reiss thereto (including the right to apply for Lown name and to claim any priority right international conventions, treaties, or off continuation (in whole or in part), renew part upon the said invention or improver have been by me had this assignment at do further agree for myself and for my consideration any further applications, a that may be deemed necessary by said	the 3M INNOVATIVE PROPER daware, having its principal officient in and to the said invention an application, and in and to any a ded any such improvement is maded and end the said in the	ng or future subsidiaries), and in and to any and a United States of America and countries foreign inventors! Certificates in foreign countries in its which such applications are entitled under ay be granted thereon or on any divisional, her or further application based in whole or in alloyed as fully and exclusively as they would tors, to execute and deliver without further ad to perform such other acts as I lawfully may, and nominees, fully to secure its right, title,
countries; and		Models, or Inventors' Certificates in any and all
I do hereby authorize and request the C granted upon any of the said application title, and interest therein.	ommissioner of Patents to issue s, to said 3M Innovative Propert	any and all Letters Patent which may be les Company, as the assignee of the entire right
Legal Name of Inventor:		
Steven T. Awiszus		
Inventor's Signature:	Date:	-10-2017

Case No:

78906US004

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:

CONTEXT-B	ASED PROGRAMMABLE SAFE EQUIP		FOR PERSONAL PROTECTIVE	
The specification of	which)			
is attached he	reto;			
NZ mid	0-4-5			
was filed on as United Stat	October 12, 2017 es Application No.		15/782,676	
is identified as filed on	PCT International Application No.			
med On				
The above-identifie	d application was made or authorized to	be made by	ne.	
fine or imprisonmer	t of not more than 5 years, or both.		ation is punishable under 18 U.S.C. 1001 by owledged, I have agreed to assign and transfe	
and do hereby assigns, the entire recontinuation (in who by me or made joint termination of, my eall Letters Patent, rethereto (including thown name and to clinternational convercontinuation (in who part upon the said in have been by me him to the said in th	In and transfer unto the 3M INNOVATIVE a corporation of Delaware, having its project, title, and interest in and to the said ple or in part) of said application, and in the said with others (provided any such impropriate the project with 3M COMPANY and an examinations, reissues, or extensions are right to apply for Letters Patent, Utility aim any priority rights for such foreign and the part, renewal, reexamination, revention or improvements thereon, to be ad this assignment and transfer not bee	/E PROPERT orincipal office invention and and to any an wement is ma y of its existin thereof, of the / Models, or in applications to /e been or ma eissue, or othe e held and en n made;	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 eventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, are or further application based in whole or in oyed as fully and exclusively as they would	1
consideration any fu that may be deeme	orther applications, assignments, and do d necessary by said Company, its succ	ocuments, and essors, assign	ors, to execute and deliver without further it to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, Wodels, or Inventors' Certificates in any and al	1
I do hereby authoriz granted upon any o title, and interest the	f the said applications, to said 3M Innov	tents to issue rative Properti	any and all Letters Patent which may be as Company, as the assignee of the entire righ	ît
Legal Name of Inv				
Eric C. Lobner	\$ 71			
Inventor's Signatu	r d ://	Date:		
		11 15	2 03™	

Case No:

78906US004

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:

CONTEXT-BAS	SED PROGRAMMABLE SAFE EQUIP		FOR PERSONAL PROTECTIVE
The specification of wh	nich:	······································	
is attached hereto	o;		
was filed on as United States	October 12, 2017 Application No.		15/782,676
is identified as PC filed on	CT International Application No.		
The above-identified a	pplication was made or authorized to	be made by r	ne.
I hereby acknowledge fine or imprisonment o	that any willful false statement made f 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 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 invehave been by me had	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 with others (provided any such improblement with 3M COMPANY and an examinations, reissues, or extensions tright to apply for Letters Patent, Utility in any priority rights for such foreign a ons, treaties, or otherwise), which have or in part), renewal, reexamination, rention or improvements thereon, to be this assignment and transfer not bee	VE PROPERT orincipal office I invention and and to any an ovement is many of its existing thereof, of the y Models, or Ir applications to been or many eissue, or other held and enjern made;	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 eventors' Certificates in foreign countries in its which such applications are entitled under y be granted thereon or on any divisional, are or further application based in whole or in oyed as fully and exclusively as they would
consideration any furth that may be deemed n	ner applications, assignments, and do lecessary by said Company, its succe	ocuments, and essors, assign	ors, to execute and deliver without further it 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
I do hereby authorize a granted upon any of th title, and interest there	e said applications, to said 3M Innov	tents to issue vative Properti	any and all Letters Patent which may be es Company, as the assignee of the entire right
Legal Name of Invent	tor		
Michael G. Wurn			
Inventor's Signature:		Date:	
Mesula	^		110,2017

Case No:

78906US004

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:

CONTEXT-BAS	EQUIP		FOR PERSONAL PROTECTIVE
The specification of wh	ich:		
is attached hereto	;		
was filed on as United States A	October 12, 2017 Application No.		15/782,676
is identified as PC filed on	T International Application No.		
The above-identified ap	oplication was made or authorized to	be made by r	ne.
I hereby acknowledge t fine or imprisonment of	that any willful false statement made not more than 5 years, or both.	in this declara	ation is punishable under 18 U.S.C. 1001 by
3M COMPANY, and a cassigns, the entire right continuation (in whole commented by me or made jointly value termination of, my empall Letters Patent, reexathereto (including the rigown name and to claim international convention continuation (in whole copart upon the said investigation).	corporation of Delaware, having its p t, title, and interest in and to the said or in part) of said application, and in a with others (provided any such impro- loyment with 3M COMPANY and and aminations, reissues, or extensions t ght to apply for Letters Patent, Utility any priority rights for such foreign a his, treaties, or otherwise), which have or in part), renewal, reexamination, re	principal office invention and to any and vernent is mady of its existing thereof, of the polications to been or made held and enjection and e	IES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and application, and in and to any division or diall improvements in the said invention made de during, or within one year after the ground 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 by be granted thereon or on any divisional, are or further application based in whole or in oyed as fully and exclusively as they would
consideration any furth that may be deemed no	er applications, assignments, and do ecessary by said Company, its succe	cuments, and essors, assign	ors, to execute and deliver without further to perform such other acts as I lawfully may, s, and nominees, fully to secure its right, title, whodels, or Inventors' Certificates in any and all
I do hereby authorize a granted upon any of the title, and interest therei	e said applications, to said 3M Innov	ents to issue a ative Propertie	any and all Letters Patent which may be as Company, as the assignee of the entire right,
Legal Name of Invento	or:		
Kenneth J. Gamb	erini		en contraction of the contractio
Inventor's Signature:		Date: //- / 7-	-17

PATENT REEL: 045106 FRAME: 0815

RECORDED: 03/05/2018