503110417 12/19/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3157026

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAE-SOON PARK	11/14/2014
SUNG WOOK LIM	11/10/2014
STEPHEN E. AMOS	11/06/2014

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:	14409926			

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: jmcourtney@mmm.com

3M INNOVATIVE PROPERTIES COMPANY **Correspondent Name:**

Address Line 1: P.O. BOX 33427

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

ATTORNEY DOCKET NUMBER:	68272US004
NAME OF SUBMITTER:	JOYCE M. COURTNEY
SIGNATURE:	/Joyce M. Courtney/
DATE SIGNED:	12/19/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=DeclarationAssignment_signed_68272US004#page1.tif source=DeclarationAssignment signed 68272US004#page2.tif source=DeclarationAssignment_signed_68272US004#page3.tif

PATENT REEL: 034560 FRAME: 0544 503110417

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

Case No:

68272US004

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:

	MASTERBATCH COMPOSITION, METHO	DD OF USING	S, AND RUBBER COMPOSITION
The	specification of which:		
	is attached hereto;	9999 (8) 1 81 82 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	was filed on as United States Application No.		
\boxtimes	is identified as PCT International Application No. filed on June 25, 2013		PCT/US2013/047534
The	above-identified application was made or authorized	d to be made by	i me.
	reby acknowledge that any willful false statement ma or imprisonment of not more than 5 years, or both.	ade in this decla	ration is punishable under 18 U.S.C. 1001 by
3M (assignment by notement all L then own inter cont part	do hereby assign and transfer unto the 3M INNOVA COMPANY, and a corporation of Delaware, having it gns, the entire right, title, and interest in and to the sinuation (in whole or in part) of said application, and ne or made jointly with others (provided any such implication of, my employment with 3M COMPANY and etters Patent, reexaminations, reissues, or extension eto (including the right to apply for Letters Patent, Ut name and to claim any priority rights for such foreignational conventions, treaties, or otherwise), which I inuation (in whole or in part), renewal, reexamination upon the said invention or improvements thereon, to been by me had this assignment and transfer not be	ts principal office and invention and to any a provement is many of its existing thereof, of the tility Models, or applications to have been or man, reissue, or otto be held and er	e at Saint Paul, Minnesota, its successors and application, and in and to any division or nd all improvements in the said invention made ade during, or within one year after 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 owhich such applications are entitled under ay be granted thereon or on any divisional, her or further application based in whole or in
cons that and	further agree for myself and for my heirs, executors, sideration any further applications, assignments, and may be deemed necessary by said Company, its su interest as aforesaid and to obtain or maintain Lette ntries; and	d documents, ar accessors, assig	nd to perform such other acts as I lawfully may, ins, and nominees, fully to secure its right, title,
grar	hereby authorize and request the Commissioner of ited upon any of the said applications, to said 3M inr and interest therein.	novative Proper	
'	gal Name of Inventor:		
	ie-Soon Park	- 1 <u></u>	
Inv	entor's Signature:	Date:	
	Imp Pax Sou	1	64.14h 2014

3M 1970759v1

PATENT REEL: 034560 FRAME: 0545

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

Case No:

68272US004

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:

app	lication and for wh	ich a patent is	s sought on the inventi	on entitled:			
	MASTERBAT	CH COMPO	OSITION, METHOI	OF USING	, AND RU	BBER COMP	OSITION
The	specification of wi	nich:					
	is attached heret	5 ;					
	was filed on as United States	Application N				***************************************	
\boxtimes	is identified as Po	OT Internation June 25, 2	nal Application No. 1913		PCT/US2	013/047534	
The	above-identified a	pplication wa	s made or authorized	to be made by	me.		
			ul false statement mad an 5 years, or both.	le in this decla	ration is punis	shable under 18	U.S.C. 1001 by
3M assi cont by r term all L ther own interpart	COMPANY, and a gns, the entire right throation (in whole ne or made jointly hination of, my empetters Patent, ree; eto (including the matternal conventionation (in whole upon the said invented in the said invented gns, and the said gns,	corporation on the fittle, and in or in part) of with others (policyment with caminations, right to apply nany priority ons, treaties, reation or impart), reation or impart	unto the 3M INNOVAT of Delaware, having its sterest in and to the sales application, and its provided any such implies 3M COMPANY and a reissues, or extensions for Letters Patent, Utilinghts for such foreign or otherwise), which himewal, reexamination, rovements thereon, to ent and transfer not be	principal officition and to any a covernent is money of its existing themsof, of the applications to applications to reissue, or office held and er	e at Saint Paud application, no all improve ade during, or go or future so United State inventors' Cero which such ay be granted ter or further	il, Minnesota, its and in and to a ments in the sai within one year ubsidiaries), and so of America antificates in foreigapplications are application base	successors and ny division or d invention made after the in and to any and d countries foreign p countries in its entitled under ny divisional, d in whole or in
con that and cou ! do grat	sideration any furth may be deemed r interest as afores ntries; and hereby authorize	her application recessary by aid and to obt and request the re said applic	r my heirs, executors, and a ns, assignments, and a said Company, its suc- tain or maintain Letters he Commissioner of P ations, to said 3M Inno	documents, ar cessors, assig patent, Utility atents to issue	d to perform ins, and nomin Models, or in any and all L	such other acts a nees, fully to sec oventors' Certific etters Patent wh	as I lawfully may, ture its right, title, ates in any and all tich may be
The second		ess Programmes					
8	gal Name of Inven						, minimum manumining
Inv	entor's Signature	***************************************		Date	,		
	Lim 2	Sung-	Work	/	0/11	1.2014	

3M 1970760v1

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

Case No:

68272US004

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:

MASTERBATCH C	OMPOSITION, METHOD	OF USING,	AND RUBBER COMPOSITION
The specification of which:			
is attached hereto;			
was filed on as United States Applic	ention No		
as united diales Applic	agon No.		i ka kama ni U i iban
is identified as PCT Inte	ernational Application No. se 25, 2013		PCT/US2013/047534
The above-identified applica	tion was made or authorized to	be made by me	
I hereby acknowledge that a fine or imprisonment of not r		in this declarati	on is punishable under 18 U.S.C. 1001 by
and do hereby assign and tra 3M COMPANY, and a corporassigns, the entire right, title, continuation (in whole or in play me or made jointly with other intermination of, my employme all Letters Patent, reexamination the right to own name and to claim any international conventions, tracontinuation (in whole or in part upon the said invention have been by me had this at I do further agree for myself consideration any further apthat may be deemed necess and interest as aforesaid and countries; and I do hereby authorize and regranted upon any of the said title, and interest therein.	ansfer unto the 3M INNOVATIVeration of Delaware, having its peration of Delaware, having its peration of Delaware, having its peration, and interest in and to the said part) of said application, and in a street (provided any such improvent with 3M COMPANY and any ations, reissues, or extensions to apply for Letters Patent, Utility priority rights for such foreign a part), renewal, reexamination, report, renewal, reexamination, report, renewal, reexamination, to be ssignment and transfer not been and for my heirs, executors, and plications, assignments, and do sary by said Company, its succeed to obtain or maintain Letters Fuguest the Commissioner of Patenguest the Commissio	VE PROPERTIE rincipal office at invention and a and to any and a vement is made y of its existing of hereof, of the U Models, or Inve- pplications to w per been or may le eissue, or other a held and enjoy n made; and administrators ocuments, and to essors, assigns, Patent, Utility Mo- ments to issue an	eledged, I have agreed to assign and transfer is COMPANY, a wholly-owned subsidiary of the Saint Paul, Minnesota, its successors and application, and in and to any division or all improvements in the said invention made to during, or within one year after the or future subsidiaries), and in and to any and nited States of America and countries foreign entors' Certificates in foreign countries in its hich such applications are entitled under be granted thereon or on any divisional, or further application based in whole or in yed as fully and exclusively as they would so, to execute and deliver without further to perform such other acts as I lawfully may, and nominees, fully to secure its right, title, odels, or Inventors' Certificates in any and all any and all Letters Patent which may be company, as the assignee of the entire right
Legal Name of Inventor:	AC		
Stephen E. Amos			
Inventor's Signature:	_ //	Date:	
HT		11-1	-2014

3M 1970761v1

RECORDED: 12/19/2014

PATENT REEL: 034560 FRAME: 0547