506012046 04/13/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6058758

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MUHAMMAD J. AFRIDI	01/09/2020
ELISA J. COLLINS	11/13/2019
JONATHAN D. GANDRUD	11/12/2019
JAMES W. HOWARD	04/07/2020
ARASH SANGARI	11/20/2019
JAMES B. SNYDER	11/18/2019

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:	16634845

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: 6517331500

Email: ilanderson6@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: 79631US007	
NAME OF SUBMITTER:	JAMIE L. ANDERSON
SIGNATURE:	/Jamie L. Anderson/
DATE SIGNED:	04/13/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 052381 FRAME: 0771

506012046

Total Attachments: 6 source=Declaration_79631US007#page1.tif source=Declaration_79631US007#page2.tif source=Declaration_79631US007#page3.tif source=Declaration_79631US007#page4.tif source=Declaration_79631US007#page5.tif source=Declaration_79631US007#page6.tif

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Case No:

79631US007

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 enti-	
NEURAL STYLE TRANSFER FOR IMAGE V	ARIETIZATION AND RECOGNITION
The specification of which: is attached hereto;	
was filed on as United States Application No.	
	PCT/IB2018/055570
The above-identified application was made or authorized to be r	nade by me
I hereby acknowledge that any willful false statement made in the fine or imprisonment of not more than 5 years, or both.	is declaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which and do hereby assign and transfer unto the 3M INNOVATIVE PI 3M COMPANY, and a corporation of Delaware, having its principal assigns, the entire right, title, and interest in and to the said invector continuation (in whole or in part) of said application, and in and by me or made jointly with others (provided any such improvem termination of, my employment with 3M COMPANY and any of all Letters Patent, reexaminations, reissues, or extensions there thereto (including the right to apply for Letters Patent, Utility Moown name and to claim any priority rights for such foreign applicational conventions, treaties, or otherwise), which have be continuation (in whole or in part), renewal, reexamination, reissue part upon the said invention or improvements thereon, to be held have been by me had this assignment and transfer not been me	pal office at Saint Paul, Minnesota, its successors and intion 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 sof, of the United States of America and countries foreign dels, or inventors' Certificates in foreign countries in its eations to which such applications are entitled under sen or may be granted thereon or on any divisional, je, or other or further application based in whole or in its and enjoyed as fully and exclusively as they would ade.
I do further agree for myself and for my heirs, executors, and acconsideration any further applications, assignments, and documents that may be deemed necessary by said Company, its successory different as aforesaid and to obtain or maintain Letters Pate countries, and	nents, and to perform such other acts as it lawluly inlay, irs, assigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents granted upon any of the said applications, to said 3M Innovative life, and interest therein.	s to issue any and all Letters Patent which may be a Properties Company, as the assignee of the entire righ
Legal Name of Inventor	
Muhammad Jamal Afridi	
Inventors Signature LA-A	1/9/2020

Case No:

79631US007

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:

NEURAL STYLE TRANSFER FOR IMAGE	VARIETIZATION AND RECOGNITION
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on July 25, 2018	PCT/IB2018/055570
The above-identified application was made or authorized to be	made by me.
I hereby acknowledge that any willful false statement made in fine or imprisonment of not more than 5 years, or both.	this declaration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of whi and do hereby assign and transfer unto the 3M INNOVATIVE is 3M COMPANY, and a corporation of Delaware, having its prin assigns, the entire right, title, and interest in and to the said invacionation (in whole or in part) of said application, and in and by me or made jointly with others (provided any such improver termination of, my employment with 3M COMPANY and any or all Letters Patent, reexaminations, reissues, or extensions their thereto (including the right to apply for Letters Patent, Utility M own name and to claim any priority rights for such foreign applianternational conventions, treaties, or otherwise), which have be continuation (in whole or in part), renewal, reexamination, reising part upon the said invention or improvements thereon, to be heave been by me had this assignment and transfer not been in	PROPERTIES COMPANY, a wholly-owned subsidiary of cipal office at Saint Paul, Minnesota, its successors and rention and application, and in and to any division or it to any and all improvements in the said invention made ment is made during, or within one year after the fits existing or future subsidiaries), and in and to any and reof, of the United States of America and countries foreign odels, or Inventors' Certificates in foreign countries in its ications to which such applications are entitled under seen or may be granted thereon or on any divisional, sue, or other or further application based in whole or in eld and enjoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and a consideration any further applications, assignments, and docu that may be deemed necessary by said Company, its success and interest as aforesaid and to obtain or maintain Letters Pal-countries; and	ments, and to perform such other acts as I lawfully may, ors, assigns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patent granted upon any of the said applications, to said 3M Innovativ title, and interest therein.	is to issue any and all Letters Patent which may be re Properties Company, as the assignee of the entire right.
Legal Name of Inventor:	
	unitari
Elisa J. Collins Inventor's Signature:	Date:
Elisa J. Gelin	

Case No:

79631US007

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:

NEURAL S	TYLE TRANSFER FOR IMAGE VARIET	IZATION AND RECOGNITION
The specification of whi	ch:	
is attached heret	o;	
	Application No.	
is identified as P0 filed on	CT International Application No. July 25, 2018	PCT/IB2018/055570
The above-identified ap	plication was made or authorized to be made by	me.
	hat any willful false statement made in this declar not more than 5 years, or both.	ration is punishable under 18 U.S.C. 1001 by
and do hereby assign a 3M COMPANY, and a cassigns, the entire right continuation (in whole oby me or made jointly watermination of, my emplall Letters Patent, reexathereto (including the rigown name and to claim international conventior continuation (in whole opart upon the said inversal.	d valuable consideration, receipt of which is acknown transfer unto the 3M INNOVATIVE PROPERT corporation of Delaware, having its principal office, title, and interest in and to the said invention and in part) of said application, and in and to any arrith others (provided any such improvement is managed with 3M COMPANY and any of its existing aminations, reissues, or extensions thereof, of the goal of the property of the part of the property rights for such foreign applications to any priority rights for such foreign applications to be the part, renewal, reexamination, reissue, or other time or improvements thereon, to be held and entities assignment and transfer not been made;	TES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and diapplication, and in and to any division or ad all improvements in the said invention made adeduring, or within one year after the ag 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 by be granted thereon or on any divisional, er or further application based in whole or in
consideration any furthe that may be deemed no	yself and for my heirs, executors, and administrater applications, assignments, and documents, and ceessary by said Company, its successors, assigned and to obtain or maintain Letters Patent, Utility	d to perform such other acts as I lawfully may, and nominees, fully to secure its right, title,
	nd request the Commissioner of Patents to issue a said applications, to said 3M Innovative Propertion.	
Legal Name of Inven	tor:	
Jonathan D. G Inventor/s Signature:	andrud Date:	
and and	7 /	11/12/10

Case No:

79631US007

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:

NEURAL STYLE TRANSFER FOR IMAGE VARIET	IZATION AND RECOGNITION
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on July 25, 2018	PCT/IB2018/055570
Fhe above-identified application was made or authorized to be made by r	me.
hereby acknowledge that any willful false statement made in this declaration ine or imprisonment of not more than 5 years, or both.	ation is punishable under 18 U.S.C. 1001 by
and do hereby assign and transfer unto the 3M INNOVATIVE PROPERT BM COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention and continuation (in whole or in part) of said application, and in and to any any me or made jointly with others (provided any such improvement is materination of, my employment with 3M COMPANY and any of its existing all Letters Patent, reexaminations, reissues, or extensions thereof, of the hereto (including the right to apply for Letters Patent, Utility Models, or Inform name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or materination (in whole or in part), renewal, reexamination, reissue, or otherwise been by me had this assignment and transfer not been made; do further agree for myself and for my heirs, executors, and administrate consideration any further applications, assignments, and documents, and that may be deemed necessary by said Company, its successors, assign	TIES COMPANY, a wholly-owned subsidiary of at Saint Paul, Minnesota, its successors and displication, and in and to any division or and all improvements in the said invention made deduring, or within one year after the gor 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 joyed as fully and exclusively as they would ors, to execute and deliver without further disto perform such other acts as I lawfully may, as, and nominees, fully to secure its right, title,
and interest as aforesaid and to obtain or maintain Letters Patent, Utility I countries; and 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 Properticitle, and interest therein.	es Company, as the assignee of the entire right
Legal Name of Inventor:	
James W. Howard 🔿	
Inventor's Signature:	04.07.2020

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

Case No:

79631US007

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:

applicat	ion and for which			
	NEURAL ST	YLE TRANSFER FOR IMAGE	VARIETIZATIO	N AND RECOGNITION
The spe	ecification of whic	h:		
☐ is	attached hereto	;		
	vas filed on s United States A	Application No.		
	s identified as PC led on	T International Application No. July 25, 2018	РСТ	/IB2018/055570
The abo	ove-identified app	olication was made or authorized to be	made by me.	
		at any willful false statement made in not more than 5 years, or both.	his declaration is p	unishable under 18 U.S.C. 1001 by
and do 3M COI assigns continu by me of termina all Lette thereto own na internat continu part upon	hereby assign an MPANY, and a cost, the entire right, ation (in whole or made jointly wittion of, my employers Patent, reexard (including the right me and to claim actional conventions ation (in whole or on the said inventions).	nd transfer unto the 3M INNOVATIVE is proporation of Delaware, having its principal title, and interest in and to the said invitin part) of said application, and in anoth others (provided any such improver by ment with 3M COMPANY and any or	PROPERTIES CON cipal office at Saint ention and applica to any and all imp ment is made during its existing or futu- eof, of the United S odels, or Inventors' cations to which so een or may be gra sue, or other or furt eld and enjoyed as	Paul, Minnesota, its successors and tion, and in and to any division or rovements in the said invention made g, or within one year after the re subsidiaries), and in and to any and States of America and countries foreign Certificates in foreign countries in its uch applications are entitled under inted thereon or on any divisional, her application based in whole or in
conside that ma	eration any furthe ny be deemed ned erest as aforesaic	self and for my heirs, executors, and a r applications, assignments, and docu cessary by said Company, its success I and to obtain or maintain Letters Pat	ments, and to perfo ors, assigns, and n	orm such other acts as I lawfully may,
granted				all Letters Patent which may be pany, as the assignee of the entire right
Ara	al Name of Invent ISh Sangari Intor's Signature:		Date:	
	/) -		11,20,5	7014

Case No:

79631US007

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:

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	<u>.</u>
The above-identified application was made or authorized to be made by	me.
I hereby acknowledge that any willful false statement made in this decla fine 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 acknown and do hereby assign and transfer unto the 3M INNOVATIVE PROPER 3M COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention are continuation (in whole or in part) of said application, and in and to any a by me or made jointly with others (provided any such improvement is metermination of, my employment with 3M COMPANY and any of its existicall Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or mecontinuation (in whole or in part), renewal, reexamination, reissue, or otherwise) and the part upon the said invention or improvements thereon, to be held and enhance the part upon the said invention or improvements thereon, to be held and enhance the part upon the said invention or improvements thereon, to be held and enhance the part upon the said invention or improvements thereon, to be held and enhance the part upon the said invention or improvements thereon.	TIES COMPANY, a wholly-owned subsidiary of the at Saint Paul, Minnesota, its successors and and application, and in and to any division or und all improvements in the said invention made ade during, or within one year after the ang or future subsidiaries), and in and to any and the United States of America and countries foreign Inventors' Certificates in foreign countries in its of which such applications are entitled under any be granted thereon or on any divisional, there or further application based in whole or in an injoyed as fully and exclusively as they would
I do further agree for myself and for my heirs, executors, and administrationsideration any further applications, assignments, and documents, arthat may be deemed necessary by said Company, its successors, assignand interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	nd to perform such other acts as I lawfully may, gns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issue granted upon any of the said applications, to said 3M Innovative Proper title, and interest therein.	
Legal Name of Inventor:	
James B. Snyder	
Inventor's Signature: Date:	
11/10	3/(9

PATENT REEL: 052381 FRAME: 0778

RECORDED: 04/13/2020