PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6519338

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIANG CHENG	01/26/2021
XIAOSHUAN FU	01/26/2021
ZHIQUN ZHANG	01/25/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17263793

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: skweber@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

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

ATTORNEY DOCKET NUMBER:	80995US003	
NAME OF SUBMITTER: SHERRI K.W. JOHNSON		
SIGNATURE:	/Sherri K.W. Johnson/	
DATE SIGNED:	01/27/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

source=Decl-Assignment-80995US003#page1.tif source=Decl-Assignment-80995US003#page2.tif source=Decl-Assignment-80995US003#page3.tif

> **PATENT** REEL: 055051 FRAME: 0332 506472562

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

Case No:

80995US003

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:

AIR-FILTER MEDIA INCLUDING A RELOFTED SPUNBONDED WEB, AND METHODS OF MAKING AND USING The specification of which: is attached hereto; was filed on as United States Application No. is identified as PCT International Application No. filed on August 3, 2018 AND METHODS OF RELOFTED SPUNBONDED WEB, AND METHODS OF MAKING AND USING PCT/CN2018/098455

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, title, and interest therein.

Legal Name of Inventor:	
Liang Cheng	
Inventor's Signature:	Date:
Liang Cheng	2021, 01, 26

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

Legal Name of Inventor: Xiaoshuan Fu Inventor's Signature:

Xaashum Fu

Case No:

80995US003

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AIR-FILTER MEDIA INCLUDING A RELOFTED SPUNBONDED WEB. AND METHODS OF MAKING AND USING The specification of which: is attached hereto; was filed on as United States Application No. is identified as PCT International Application No. PCT/CN2018/098455 August 3, 2018 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, title, and interest therein.

Date:

Jan. 26 2021

PATENT

REEL: 055051 FRAME: 0334

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

Case No:

80995US003

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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	AND METHODS OF MAKING AND USING
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	is attached hereto;
	was filed on as United States Application No.
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The a	above-identified application was made or authorized to be made by me.
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consi that r and i	urther agree for myself and for my heirs, executors, and administrators, to execute and deliver without further deration any further applications, assignments, and documents, and to perform such other acts as Llawfully may, may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, necessary as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all tries; and
grant	pereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be ed upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, and interest therein.
	gal Name of Inventor: niqun Zhang
	rentor's Signature: Date:
""	
	Thigan Stara 1-25-2021

PATENT

REEL: 055051 FRAME: 0335