

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5329556

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIE SHI	10/31/2018
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<b>Name:</b>	WUHAN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD.
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<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	430079
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16311682
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	MARTIN D. MOYNIHAN
<b>SIGNATURE:</b>	/Martin D. Moynihan/
<b>DATE SIGNED:</b>	01/17/2019
<b>Total Attachments: 2</b>	
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source=76310 Executed Assignment#page2.tif	

**ASSIGNMENT AND DECLARATION  
FOR UTILITY OR DESIGN PATENT  
APPLICATION**

Attorney Docket  
Number

First Named  
Inventor

SHI, Jie

**CLEANING SYSTEM AND CLEANING APPARATUS**

*(Title of the Invention)*

As a below named inventor, I hereby declare that:

This assignment and declaration is directed to:

The attached application

OR

United States Application Number or PCT International application number PCT/CN2018/115551  
filed on 11/15/2018. (MM/DD/YYYY)

The above-identified application was made or authorized to be made by me.

I believe I am the original or an original joint inventor of the claimed invention in the application.

I hereby acknowledge that any wilful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

As a below named inventor, I hereby sell, assign and transfer unto to WUHAN CHINA STAR OPTOELECTRONICS TECHNOLOGY CO., LTD., a corporation of China, herein referred to as "Assignee", whose mailing address is Building C5, Biolake of Optics Valley, No.666 Gaoxin Avenue, East Lake High-tech Development Zone, Wuhan, Hubei 430079 China, the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent, the entire right, title, and interest in and to the same, for the Assignee's sole use and benefit; and for the use and benefit of the Assignee's legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

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CG20183062/US;TP181380-US

**PATENT**  
**REEL: 048039 FRAME: 0171**

**ASSIGNMENT AND DECLARATION — Utility or Design Patent  
Application**

<b>LEGAL NAME OF SOLE OR FIRST INVENTOR:</b>			
Given Name (first and middle [if any]) Jie		Family Name or Surname SHI	
Inventor's Signature <i>SHI, Jie</i>		Date (Optional) <i>2018.10.31</i>	
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<b>LEGAL NAME OF SECOND INVENTOR:</b>			
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date (Optional)	
Residence: City	State	Country	
Mailing Address			
City	State	Zip	Country
<b>LEGAL NAME OF THIRD INVENTOR:</b>			
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date (Optional)	
Residence: City	State	Country	
Mailing Address			
City	State	Zip	Country
<input type="checkbox"/> Additional inventors are being named on the ___ supplemental sheet(s) attached hereto.			

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