

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4972824

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the EXECUTION DATE OF JUNE 24, 2014 FOR SASAHARA, NAOKI; EXECUTION DATE OF JUNE 24, 2014 FOR MUKAI, IKUO. previously recorded on Reel 045862 Frame 0195. Assignor(s) hereby confirms the ASSIGNOR(S), HAVE SOLD, ASSIGNED, TRANSFERRED, AND SET OVER, AND DO HEREBY ....
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YASUHARU MURAKAMI	07/01/2014
HIROSHI YAMAZAKI	07/01/2014
YOSHIMI IGARASHI	07/01/2014
NAOKI SASAHARA	06/24/2014
IKUO MUKAI	06/24/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI CHEMICAL COMPANY, LTD.
<b>Street Address:</b>	9-2, MARUNOUCHI 1-CHOME
<b>City:</b>	CHIYODA-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-6606
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15062996
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)419-7007
<i>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.</i>	
<b>Phone:</b>	202-419-7017
<b>Email:</b>	gturner@fitcheven.com
<b>Correspondent Name:</b>	GILES N. TURNER
<b>Address Line 1:</b>	1250 23RD STREET NW
<b>Address Line 2:</b>	SUITE 410
<b>Address Line 4:</b>	WASHINGTON, D.C. 20037-1164
<b>ATTORNEY DOCKET NUMBER:</b>	20374-138316-US
<b>NAME OF SUBMITTER:</b>	GILES N. TURNER
<b>SIGNATURE:</b>	/Giles N. Turner/

<b>DATE SIGNED:</b>	05/22/2018
<b>Total Attachments: 3</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YASUHARU MURAKAMI	07/01/2014
HIROSHI YAMAZAKI	07/01/2014
YOSHIMI IGARASHI	07/01/2014
NAOKI SASAHARA	07/24/2014
IKUO MUKAI	07/24/2014
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<b>City:</b>	CHIYODA-KU, TOKYO
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20037-1164
<b>ATTORNEY DOCKET NUMBER:</b>	20374-138316-US
<b>NAME OF SUBMITTER:</b>	GILES N. TURNER
<b>Signature:</b>	/Giles N. Turner/
<b>Date:</b>	05/21/2018
<b>Total Attachments: 2</b> source=assignment-pat-33606-834#page1.tif source=assignment-pat-33606-834#page2.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT4970512
<b>Receipt Date:</b>	05/21/2018

# ASSIGNMENT

Whereas, I/we,

NameAddress

1) Yasuharu MURAKAMI

c/o HITACHI CHEMICAL COMPANY, LTD.,  
13-1, Higashi-cho 4-chome,  
Hitachi-shi, Ibaraki 317-8555 Japan

2) Hiroshi YAMAZAKI

c/o HITACHI CHEMICAL COMPANY, LTD.,  
13-1, Higashi-cho 4-chome,  
Hitachi-shi, Ibaraki 317-8555 Japan

3) Yoshimi IGARASHI

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4) Naoki SASAHARA

c/o HITACHI CHEMICAL COMPANY, LTD.,  
13-1, Higashi-cho 4-chome,  
Hitachi-shi, Ibaraki 317-8555 Japan

5) Ikuro MUKAI

c/o HITACHI CHEMICAL COMPANY, LTD.,  
13-1, Higashi-cho 4-chome,  
Hitachi-shi, Ibaraki 317-8555 Japan

hereinafter called assignor(s), have invented certain improvements in

**METHOD FOR FORMING RESIN CURED FILM PATTERN, PHOTSENSITIVE RESIN COMPOSITION,  
PHOTSENSITIVE ELEMENT, METHOD FOR PRODUCING TOUCH PANEL, AND RESIN CURED FILM**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on June 4, 2014, Serial No. 14/362726; and

Whereas

HITACHI CHEMICAL COMPANY, LTD.

9-2, Marunouchi 1-chome,

Chiyoda-ku, Tokyo 100-6606 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED

1) :

Yasuharu MurakamiJuly 1, 2014

Name :

Yasuharu MURAKAMI

2) :

Hiroshi YamazakiJuly 1, 2014

Name :

Hiroshi YAMAZAKI

3) :

Yoshimi IgarashiJuly 1, 2014

Name :

Yoshimi IGARASHI

4) : Naoki Sasahara Jun. 24. 2014  
Name : Naoki SASAHARA

5) : Ikuo Mukai Jun. 24. 2014  
Name : Ikuo MUKAI