

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHIGEAKI FUNYUU	08/30/2011
KENICHI ISHITSUKA	08/30/2011
YOUSUKE HOSHI	08/30/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI CHEMICAL COMPANY, LTD.
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<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17068931
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	20369-150145-US
<b>NAME OF SUBMITTER:</b>	GILES N. TURNER
<b>SIGNATURE:</b>	/Giles N. Turner/
<b>DATE SIGNED:</b>	03/01/2023
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, ① Shigeaki FUNYUU, ② Kenichi ISHITSUKA, ③ Yousuke HOSHI, whose post office addresses appear below hereinafter referred to as ASSIGNOR, have invented certain new and useful improvements in a

ORGANIC ELECTRONIC MATERIAL, INK COMPOSITION CONTAINING SAME, AND ORGANIC THIN FILM, ORGANIC ELECTRONIC ELEMENT, ORGANIC ELECTROLUMINESCENT ELEMENT, LIGHTING DEVICE, AND DISPLAY DEVICE FORMED THEREWITH

(hereinafter referred to as THE INVENTION) for which an International Application was filed on May 28, 2010 as PCT/JP2010/059121, designating the United States .

WHEREAS, Hitachi Chemical Company, Ltd., whose post office address is 1-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, we, ASSIGNOR, by these presents do sell, assign and transfer until said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR here by agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

2010 08 31 11:11  
(JHKK-282)

Shigeaki FUNYUU  
of c/o Hitachi Chemical Company, Ltd.,  
48, Wadai, Tsukuba-shi, Ibaraki 300-4247, Japan

Shigeaki Funyu.  
Signature

August 30, 2011  
Date

Kenichi ISHITSUKA  
of c/o Hitachi Chemical Company, Ltd.,  
48, Wadai, Tsukuba-shi, Ibaraki 300-4247, Japan

Kenichi Ishitsuka  
Signature

August 30, 2011  
Date

Yousuke HOSHI  
of c/o Hitachi Chemical Company, Ltd.,  
48, Wadai, Tsukuba-shi, Ibaraki 300-4247, Japan

Y. Hoshi  
Signature

August 30, 2011  
Date