501772961 12/30/2011

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sohei KAWANAMI	10/19/2011
Atsuo HIROI	10/19/2011

RECEIVING PARTY DATA

Name:	Asahi Glass Company, Limited		
Street Address:	5-1, Marunouchi 1-chome, Chiyoda-ku		
City:	Tokyo		
State/Country:	JAPAN		
Postal Code:	100-8405		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13341188

CORRESPONDENCE DATA

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via US Mail.

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 391022US99CONT

NAME OF SUBMITTER: Malisa Savanh

Total Attachments: 2

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PATENT

REEL: 027463 FRAME: 0312

OF \$40.00 13341188

Page 1 of 2

Assignment of Application

	Atsuo Hiroi of Koriyan	na-shi. Fukushima, J	apan	
				
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	•		MEMBER PROVIDED WITH	
	ER, ELECTRONIC DEV	ICE USING IT AN	D PROCESS FOR PRODUCIN	G THE ELECTRON
DEVICE				
	13/341,188	filed	December 30, 2011), a
(Application No.				
(Application No		,		
	Asahi Glass Company, L			
WHEREAS,	Asahi Glass Company, L	imited		1 chome Chivoda
WHEREAS, _	Asahi Glass Company, L	imited having a place of	business at: 5-1, Marunouchi	1-chome, Chiyoda
WHEREAS, _ (hereinafter referre TOKYO 100-8405	Asahi Glass Company, L ed to as "ASSIGNEE") 5 JAPAN is desirous of ac	imited having a place of equiring the entire ri	business at: 5-1, Marunouchi ght, title and interest in and to sa	id invention and in
WHEREAS, _ (hereinafter referre TOKYO 100-8405	Asahi Glass Company, L ed to as "ASSIGNEE") 5 JAPAN is desirous of ac	imited having a place of equiring the entire ri	business at: 5-1, Marunouchi	id invention and in
WHEREAS, _ (hereinafter referred TOKYO 100-8405) to any Letters Pate foreign countries;	Asahi Glass Company, L ed to as "ASSIGNEE") 5 JAPAN is desirous of ac ent that may be granted th	having a place of equiring the entire ri- erefore in the United	business at: 5-1, Marunouchi ght, title and interest in and to sa d States and its territorial possess	uid invention and in sions and in any and
WHEREAS, _ (hereinafter referred TOKYO 100-8405) to any Letters Pate foreign countries; NOW, THER	Asahi Glass Company, L ed to as "ASSIGNEE") 5 JAPAN is desirous of ac ent that may be granted the REFORE, in consideratio	having a place of equiring the entire rierefore in the United	business at: 5-1, Marunouchi ght, title and interest in and to sa d States and its territorial possess VE DOLLARS (\$5.00), the rec	aid invention and in sions and in any and eipt whereof is he
WHEREAS, _ (hereinafter referred TOKYO 100-8405) to any Letters Pate foreign countries; NOW, THER acknowledged, and	Asahi Glass Company, Leed to as "ASSIGNEE") 5 JAPAN is desirous of acent that may be granted the REFORE, in consideration of for other good and value.	having a place of equiring the entire rierefore in the United n of the sum of Fruable consideration,	business at: 5-1, Marunouchi ght, title and interest in and to sa d States and its territorial possess	aid invention and in sions and in any an eipt whereof is he sell, assign and trai

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in

and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	Oct. 19, 2011	Soute Kawanami	
		(Signature of Inventor) Sohei Kawanami	
Date:	oct. 19. 2011	atour Hirai	
		(Signature of Inventor) Atsuo Hiroi	
Date:			
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Date:			
		(Signature of Inventor)	
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		(Signature of Inventor)	
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OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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RECORDED: 12/30/2011

PATENT REEL: 027463 FRAME: 0314