502295381 04/02/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroaki ISOBE	02/13/2013

RECEIVING PARTY DATA

Name:	Sharp Kabushiki Kaisha	
Street Address:	22-22, Nagaike-cho	
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State/Country:	JAPAN	
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13877369	

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ATTORNEY DOCKET NUMBER:	70404.1407/TE	
NAME OF SUBMITTER:	Satoko Sakiyama	
Signature:	/AMD/ss	
Date:	04/02/2013	

Total Attachments: 1

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OF \$40.00 138773

PATENT REEL: 030132 FRAME: 0813 Attorney Docket No.: 70404.1407/te

ASSIGNMENT (WORLDWIDE)

WHEREAS, I, **Hiroaki ISOBE** (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled <u>LIQUID CRYSTAL MODULE AND</u> <u>LIQUID CRYSTAL DISPLAY DEVICE INCLUDING THE SAME</u> for which application for Letters Patent of the United States has been

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_x exe filed	cuted on even date herew d on	/ith; as Ser	ial No		
shi, Osaka 545-l	8522, Japan (hereinafter rire interest in, to and unde	eferred to as AS	ike-cho, Abeno-ku, Osaka- SIGNEE), is desirous of and the United States Letters		
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.					
	R hereby covenants that is s been or will be made or sale;	•			
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.					
Dated:ン/_	13/2013	Mirche	Jeolie		

Page 1 of 1

Hiroaki ISOBE

PATENT REEL: 030132 FRAME: 0814

RECORDED: 04/02/2013