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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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BENJAMIN JOHN BROUGHTON	10/22/2015
NATHAN JAMES SMITH	10/22/2015
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FUMITAKA SEKI	10/23/2015
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14921694		

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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DATE SIGNED:	11/04/2015

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Total Attachments: 4

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COMBINED DEC	LARATION AND ASSIGNMENT (ORIGINAL, DESIGN, NA	USING APPLICATION D TIONAL STAGE OF PCT	DATA SHEET (37 CFR 1.76
Title: "ODD-E\	/EN" VEIL VIEW FOR FFS		
	I. DECLA	RATION	
As a below named in	ventor or joint inventor, I hereby d	eclare that:	
This declaration is dir	rected to:		
(a) X the attach	ed application, or		
(b) United Sta	ites application or PCT internation	nal application number	
The above-identified a	application was made or authorize	ed by me.	
believe that I am the	original inventor or an original joi	nt inventor of a claimed i	nvention in the application.
hereby state that I ha	ave reviewed and understand the	contents of the above-id	entified application.
hereby acknowledge ne to be material to p	the duty to disclose to the U.S. Fatentability as defined in 37 C.F.F	Patent and Trademark Of R. §1.56.	ffice all information known t
hereby acknowledge 001 by fine or impriso	that any willful false statement n onment of not more than five (5) y	nade in this declaration i rears, or both.	s punishable under 18 US0
	PRIORITY	CLAIM .	
pplication(s) for pate east one country othe preign application(s) t t least one country ot	on priority benefits under Title nt or inventor's certificate or of er than the United States of Amel for patent or inventor's certificate ther than the United States of Ame t of the application(s) of which prints	any PCT international a rica listed below and hav or any PCT internationa erica filed by me on the	application(s) designating a ve also identified below any all application(s) designating
c) <u>X</u> no such ap	plication have been filed.		
l) such applic	ations have been filed as follows.		
EARLIE (6	ST FOREIGN APPLICATION(S), MONTHS FOR DESIGN) PRIOR	IF ANY FILED WITHIN TO THIS U.S. APPLICA	12 MONTHS ATION
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC §119
			Yes No
			Yes No

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II. ASSIGNMENT

As a below named assignor, for good and valuable consideration acknowledged and received I hereby sell and assign my entire worldwide right, title and interest in the application and the invention(s), so far as concerns the United States and the Territories and Possessions thereof and all foreign countries to:

ASSIGNEE:

SHARP KABUSHIKI KAISHA 22-22, Nagaike-cho Abeno-ku, Osaka-shi Osaka, Japan 545-8522

including:

any and all related patent application(s) in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, convention, International (e.g., Patent Cooperation Treaty (PCT)) and other applications based in whole or in part upon the invention(s) or upon the application(s);

any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters Patent granted for the invention(s) or upon the application(s); and

every priority right that is or may be predicated upon or arise from the invention(s), the application(s) and the Letters Patent.

I additionally authorize the Assignee to file patent applications in my or the Assignee's name for Letters Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment and transfer not been made.

I hereby covenant that I have the full right to convey the entire interests herein assigned, and that I have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

I agree that each time a request is made, and without undue delay, I will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), the application(s) and the Letters Patent, to the Assignee, its successors or assigns.

I agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this document when that information becomes available.

Full Name of Sole or First Inventor and Assignor: Edward Heywood-Lonsdale				d-Lonsdale
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Inventor's signature:	Natre Sunda		Date:	22/10/15
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Full Name of Addition	nal Inventor and Assignor:	Fumital	ka Seki	
Inventor's signature:			Date:	
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CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS COMBINED DECLARATION AND ASSIGNMENT				
Signature for sixth and subsequent joint inventors and assignors; number of pages added				
Added page to this combined declaration and assignment for divisional, continuation, or continuation-in-part (CIP) application.				
X This combined de	eclaration and assignment ends with	this page.		

PATENT⁰¹²
REEL: 036960 FRAME: 0225

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Full Name of Additio	nal Inventor and Assignor:	Kenji N	/laeda	
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Post Office Address:	c/o Sharp Corporation			<i>y</i> , ,
	22-22 Nagaike-cho, Abeno-ku, O	saka 545-8	522 Japar)
Full Name of Additio	nal Inventor and Assignor:	Fumita	ıka Seki	
Inventor's signature:	Frankle Sell	***************************************	Date	23/10/2018
Post Office Address:				
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Full Name of Additio	nal Inventor and Assignor:	Paul A	nthony Ga	
Inventor's signature;			Date:	
Post Office Address:	16 Ash Grove, Headington Oxfor	4 UX3 0 II	.L	
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	ECK FOR ANY OF THE FOLLOW A PART OF THIS COMBINED DE			
Signature for size	kth and subsequent joint inventors	and assign	ors; numb	er of pages added
	this combined declaration and assi	gnment for	divisional,	continuation, or
	part (CIP) application.			
 X This combined d 	eclaration and assignment ends w	ith this pao	e.	

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