PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4422193

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shohei TAKADA	05/10/2017
Takashi ISHII	05/11/2017

RECEIVING PARTY DATA

Name:	Minebea Mitsumi Inc.		
Street Address:	4106-73 Oaza Miyota		
Internal Address:	Miyota-machi		
City:	Kitasaku-gun, Nagano		
State/Country:	Japan		
Postal Code:	389-0293		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15599628

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

703-836-6400 Phone: Email: email@oliff.com **Correspondent Name:** JAMES A. OLIFF Address Line 1: **OLIFF PLC**

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 176663 NAME OF SUBMITTER: **ALYSON STRAND SIGNATURE:** /alyson strand/ **DATE SIGNED:** 05/19/2017

Total Attachments: 2

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> **PATENT** REEL: 042434 FRAME: 0211 504375498

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e))

For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Insert	(1)	Shonel TAKADA	(2)	Takashi ISHII	
(1-8)	Legal Name(s)	(3)		(4)		
	of Inventor(s)	(5)		(6)		
		(7)		(8)		
		the un	sideration of the sum of one dollar (dersigned, the receipt and sufficience, and hereby does assign, transfer ar	y of which are h	r good and valuable consideration paid to each of tereby acknowledged, each undersigned agrees to	
(9)	Insert Name of First Assignee	(9)	(9) MINEBEA MITSUMI Inc.			
(10)	Insert Address of First Assignee	(10)	4106-73 Oaza Miyota, Miyota	-machi, Kitasak	u-gun, Nagano 389-0293, Japan	
		the ent invent contin	ire right, title and interest for the Ur on, and in all applications for paten	nited States of A it including any a reissue applicati	eirs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, on(s), and all Letters Patent, extensions, reissues invention known as	
(11)	Insert Identification such as Title, Case Number, or Foreign	(11)	PLANAR ILLUMINATION AP	PARATUS		
	Application Number	(Attor	ney Docket No. 176663), fil	ed on even date herewith or as	
[12)	Alternative	(12)	U.S. Application Number			
	Identification for filed applications	filed	May 19, 2017			

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patents for the invention and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignees, as Assignees of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that 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.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	10. May, 17	Inventor Signature	Shohei Takada	(SEAL)
	,		Shohei TAKADA	
Date	11 May 117	Inventor Signature,	Takash: Ishii	(SEAL)
	·		Takashi ISHII	
Date		Inventor Signature		(SEAL)
		· ·		
Date		Inventor Signature		(SEAL)
				(SEAL)
Date	-	Inventor Signature		(SEAL)
Date		l		477.13.
DRIE		inventor Signature	•	(SEAL)
Date		Inventor Signature		(SEAL)
Date	<u>.</u>	lanantan Classitan	-	(00.1)
DAIC		inventor Signature	_	(SEAL)
neither,	This assignment should preferably be sign then it should be signed before at least two	ed before: (a) a Notary Public witnesses who also sign here:	if within the U.S.A. (b) a U.S. Consul if outsi	ide the U.S.A. If
		- .		
Date .		Witness		
			•	
Date		Witness		

RECORDED: 05/19/2017