[®] 09-19-2007

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11/885887

Patent and Trademark Office
Attorney Docket No. 04208.0256
Attorney Customer Number: 22,852

Office: Please record the attached original documents or copy thereof.

1. Name of conv	veying party(ies):	<u> </u>	2.	Name and addre	ss of receiving party(ies):
1) Edson Gom 2) Kazuhiro N 3) Masaaki Kl 4) Yuichi KAN	JRIHARA		Name:	ASAHI KASE	I EMD CORPORATION
Additional name(s) of c	conveying party(ies) attache	d? ☐ Yes ☒ No	Internal	Address:	
	nveyance/Execution Date(s) August 27, 2007 and 3,4).	August 29, 2007	Street A		, Nishi-shinjuku 1-chome, juku-ku, Tokyo 160-0023, JAPAN
Security Ag	_	ige of Name	State:		Zip Code:
☐ Joint Resea	arch Agreement				
☐ Governmen	at Interest Assignment				
☐ Executive C	Order 9424, Confirmatory Lic	cense	Additional name(s) & Address(es) attached?		
Other				☐ Yes	⊠ No
4. Application n	number(s) or patent numb	er(s):	This doc	ument is being file	ed together with a new application.
	ation Number(s):		В.	Patent Number(s	
	Additional n	numbers attached?	Yes	Noll	1885887
	ldress of to whom corresp rould be mailed:	ondence concerning	6.	Total number of involved:	f applications and registrations
Name: Mr. Ernest F.	. Chapman		7.	Total fee (37 CF	R 3.41): \$40
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IAP02Rec'd PCT 07 SEP 2007
Attorney Docket 1.1 / 885 8 8 7

JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

OPTICAL DEVICE AND OPTICAL DEVICE MANUFACTURING METHOD

for which we ex	cecuted an application f	or United States Letters Patent concurrently	
herewith or on		or filed an application for United States Lette	rs
Patent on	(Application No.); a	nd

WHEREAS, <u>ASAHI KASEI EMD CORPORATION</u>, a corporation of <u>Japan</u>, whose post office address is <u>23-7</u>, <u>Nishi-shinjuku 1-chome</u>, <u>Shinjuku-ku</u>, <u>Tokyo 160-0023</u>, <u>Japan</u> (hereinafter referred to as assignee), is desirous of securing t-e entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY	authorize and request the atto	rneys we have empowered in
the Declaration and Power	of Attorney in this application,	to insert here in parentheses
(Application No.	, filed) the filing date and
application number of said	application when known.	

PATENT REEL: 019858 FRAME: 0093

Attorney Docket No.:

IN TESTIMONY WHEREOF, we have hereunto set our hands.

Name:	CAMARGO, Edson Gomes					
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Signature:	(赵山 7哈 —					
Date:	8/29/2007					

PATENT REEL: 019858 FRAME: 0094

RECORDED: 09/07/2007