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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT				
NATURE OF CONVEY	YANCE:	ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY	/ DATA						
		Name	Execution Date				
NAOKI UNNO	08/20/2014						
YOSHIMASA HATTO	08/18/2014						
MITSUHARU MIWA	08/20/2014						
RECEIVING PARTY Name:	NATION	AL UNIVERSITY CORPORATION HAI L OF MEDICINE	MAMATSU UNIVERSITY				
Street Address:	20-1, HA	20-1, HANDAYAMA 1-CHOME, HIGASHI-KU					
City:	HAMAM	HAMAMATSU-SHI, SHIZUOKA					
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Street Address:	1126-1, ICHINO-CHO, HIGASHI-KU				
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14378732	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:		046884-6147-00-US-516171				
NAME OF SUBMITTER:		PETER J. SISTARE				

PATENT REEL: 033953 FRAME: 0084

SIGNATURE:	/Peter J. Sistare/			
DATE SIGNED:	10/15/2014			
Total Attachments: 2				
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source=046884_6147_assignment#page2.tif				

ASSIGNMENT

Name	Address
) Naoki UNNO	c/o NATIONAL UNIVERSITY CORPORATION HAMAMATSU UNIVERSITY SCHOOL OF MEDICINE, 20-1, Handayama 1-chome, Higashi-ku, Hamamatsu-shi, Shizuoka 431-3192 Japan
?) Yoshimasa HATTORI	c/o NST CO.,LTD., 3-1, Shinmiyakoda 4-chome, Kita-ku, Hamamatsu-shi, Shizuoka 431-2103 Japan
) Mitsuharu MIWA	e/o Hamamatsu Photonics K.K., 1126-1, Ichino-cho, Higashi-ku, Hamamatsu-shi, Shizuoka 435-8558 Japan

hereinafter called assignor(s), have invented certain improvements in FLUORESCENCE DETECTION DEVICE

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below: August 14 1014 14 /378732

	filed on Awgust (1, 2011, Serial No. (173	; and
V	Whereas	
	NATIONAL UNIVERSITY CORPORATION HAMAMATSU UNIVERSITY	SCHOOL OF MEDICINE
	20-1, Handayama 1-chome, Higashi-ku,	
	Hamamatsu-shi, Shizuoka 431-3192 Japan	
ind,	HAMAMATSU PHOTONICS K.K.	

and.

1126-1, Ichino-cho, Higashi-ku,

Hamamatsu-shi, Shizuoka 435-8558 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/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 I/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, J/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignce, its successors and assigns, any facts known to ME/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 assignce, 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.

1) :	INVENTORS Marky Unne	DATE SIGNED Ayunt 20 2014
Name :	Naoki UNNO	
2) : Name :	Y, Hattori Yoshimasa HATTORI	August 18, 2014
3) : Name :	Mitsuharu MIWA	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261) Page 1 of 1

PATENT REEL: 033953 FRAME: 0086

ASSIGNMENT

Name	Address
1) Naoki UNNO	c/o NATIONAL UNIVERSITY CORPORATION HAMAMATSU UNIVERSITY SCHOOL OF MEDICINE, 20-1, Handayama 1-chome, Higashi-ku, Hamamatsu-shi, Shizuoka 431-3192 Japan
2) Yoshimasa HATTORI	c/o NST CO.,LTD., 3-1, Shinniyakoda 4-chome, Kita-ku, Hamamatsu-shi, Shizuoka 431-2103 Japan
3) Mitsuharu MIWA	c/o Hamsmatsu Photonics K.K., 1126-1, Ichino-cho, Higashi-ku, Hamamatsu-shi, Shizuoka 435-8558 Japan

hereinafter called assignor(s), have invented certain improvements in FLUORESCENCE DETECTION DEVICE

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

	filed on	August	14,	2014 ,	Serial No.	14/3/8/31	; a	nd
XX71 amagaa								

Whereas

NATIONAL UNIVERSITY CORPORATION HAMAMATSU UNIVERSITY SCHOOL OF MEDICINE 20-1, Handayama 1-chome, Higashi-ku, Hamamatsu-shi, Shizuoka 431-3192 Japan

HAMAMATSU PHOTONICS K.K. and,

1126-1, Ichino-cho, Higashi-ku, Hamamatsu-shi, Shizuoka 435-8558 Japan

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AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/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.

	INVENTORS	DATE SIGNED
1) :	Naoki UNNO	
2):		
Name :	Yoshimasa HATTORI	
3):	三輪 光春	2014/8/20
Name :	Mitsuharu MIWA	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261) Page 1 of 1

> PATENT REEL: 033953 FRAME: 0087

RECORDED: 10/15/2014