# PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Masashi KUWAHARA	07/08/2009
Toshio FUKAYA	07/09/2009
Takayuki SHIMA	07/08/2009
Junji TOMINAGA	07/08/2009
Rie ENDO	07/21/2009
Masahiro SUSA	07/21/2009
Michio SUZUKI	07/17/2009
Koichi TSUTSUMI	07/17/2009

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12490137

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**PATENT REEL: 023227 FRAME: 0557** 500961628

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**Total Attachments: 3** 

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# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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### **ASSIGNMENT**

	Application No	12/490,137			Filed <u>June 23, 2009</u>	<del>)</del>
Insert Name(s) of Inventor(s)		***(Given Na	me FAMILY NA	ME (ALL CAPS))*	<b>**</b> *	
	WHERE		Masashi	KUWAHARA	; Toshio FUKAYA	
	Takayuki	SHIMA	Junji	TOMINAGA	Rie ENDO	
	<u>Masahiro</u>	SUSA	Michic	SUZUKI	Koichi TSUTSUMI	
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			<del>- ;</del>		<del> ;</del>	
		· · · · · · · · · · · · · · · · · · ·	<del>;</del>			
Insert Title of Invention	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in OPTICAL MEASUREMENT APPARATUS AND OPTICAL MEASUREMENT METHOD FOR A LIQUID OR MOLTEN MATERIAL					
	for which an appl undersigned (exce	lication for Lettept in the case o	ters Patent of the f a provisional a	United States of application).	America has been executed by the	;
Insert Date of Signing of Application	July 8, 2009, July 9, 2009, July 8, 2009, July 8, 2009,  on July 21, 2009, July 21, 2009, July 17, 2009, and July 17, 2009; and				.: and	
Insert Name of Assignee	(1) National Institute of Advanced Industrial Science and Technol WHEREAS, (2) J. A. Woollam Japan Corporation					
Insert Address of Assignee						
C <b>HECK BOX</b> F APPROPRIATE	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.					
	undersigned has transfer unto said America, its territ any and all Lette	of which is her (have) sold, as I Assignee the tories, depender or Patent(s) wi	eby acknowledged and transfull and exclusion full and exclusion for any besses thich may be greater	ged, and other goo eferred, and by the we right to the said sions and the entir anted therefor in t	(10.00) to the undersigned in hand d and valuable consideration, the ese presents does sell, assign and invention in the United States of eright, title and interest in and to the United States of America, its designated, in any and all foreign	; i f
	and to any and al	l divisions, reis	ssues, continuati	ons, conversions a	and extensions thereof for the full	

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term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date <u>July 8, 2009</u> ,	Name of Inventor
Date <u>July 9, 2009</u> ,	Name of Inventor  (signature) Toshio FUKAYA
Date July 8, 2009	Name of Inventor Takayıki SHIMA
Date <u>July 8, 2009</u> ,	Name of Inventor Autor
Date July 21, 2009,	(signature) Ginji TOMINAGA  Name of Inventor Ric Endo
Date July 21, 2009	(signature) Rie ENDO  Name of Inventor Super
	(signature) Masahiro SUSA

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June 2002

Date July 17, 2009,	Name of Inventor Michio SUZUKI  (signature) Michio SUZUKI
Date July 17, 2009,	Name of Inventor Koichi Tsutsumi (signature) Koichi Tsutsumi
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