PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
MASANORI TACHIBANA	06/13/2014
JUNICHI INOUE	06/12/2014
SHOUBUN HARA	06/13/2014

RECEIVING PARTY DATA

Name:	SUMITOMO HEAVY INDUSTRIES, LTD.	
Street Address:	1-1, OSAKI 2-CHOME	
Internal Address:	ress: SHINAGAWA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	141-6025	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14331564

CORRESPONDENCE DATA

Fax Number: (703)720-7801

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douglas.goldhush@squirepb.com

Correspondent Name: SQUIRE PATTON BOGGS (US) LLP Address Line 1: 8000 TOWERS CRESCENT DRIVE

Address Line 2: 14TH FLOOR

Address Line 4: **VIENNA, VIRGINIA 22182-6212**

ATTORNEY DOCKET NUMBER:	063594.00060
NAME OF SUBMITTER:	DOUGLAS H. GOLDHUSH
SIGNATURE:	/Douglas H. Goldhush/
DATE SIGNED:	07/15/2014

Total Attachments: 3

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ASSIGNMENT

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Whereas, I/we	,			
<u>Nan</u>	<u>ne</u>	Add	lress	
		c/o Ehime Works of SUM	TTOMO HEAVY INDUSTRIES, LTD.,	
1) Masanori	I TACHIBANA	5-2, Sobirakicho,	,,,	
		Niihama-shi, Ehirne 792-8		
2) Junichi II	NOTE		ITOMO HEAVY INDUSTRIES, LTD.,	
2) Junium II	KOUL	5-2, Sobirakicho, Niihama-shi, Ehime 792-8	1588 Januar	
***************************************	**************************************		amitomo Heavy Industries, Ltd.,	
3) Shoubun	HARA	19, Natsushima-cho,		
		Yokosuka-shi, Kanagawa	237-8555 Japan	
hereinafter call	led assignor(s), have	invented certain improveme	ents in	
	BEAM IRRADIAT		MARKET AND	
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and executed a	n application for Lett	ers Patent of the United Sta	ates of America therefor on even date	. havenerish mulana ast
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	filed on		Social Na	,
Whereas	CONTRACTOR OF THE PARTY OF THE		, Serial No.	; and
		A TENE YOUTH TOTAL A MAN		
SUN	MITOMO HEAVY I			
	l-1, Osaki 2	,		
		ku, Tokyo 141-6025 Japan		
(assignee), desi	ires to acquire the en	tire right, title and interest i	in the application and invention, and	to any United States
patents to be of	btained therefor,			
NOW TI	HEREFORE, be it kr	own that, for good and value	uable consideration from assignee, the	he receipt of which is
hereby acknow	ledged, I/WE, as assi	gnor(s), have sold, assigne	d, transferred, and set over, and do h	erehvisell assign transfer
and set over un	to the assignee, its la	wful successors and assign	s, MY/OUR entire right, title, and in	terest in and to this
invention and the	his application, and a	all divisions, and continuation	ons thereof, and all Letters Patent of	the United States which
may be granted	I thereon, and all reis	sues thereof; and I/WE here	by authorize and request the Commi	issioner of Patents and
Trademarks of	the United States to	issue all Letters Patent for t	his invention to assignee, its success	ore and assigns in
accordance wit	h the terms of this As	ssignment:		ore and acorpin, m
			November 245 to 24 common or common	
AND, IN	WE TEKED! INTINE	covenant and agree that I	WE will, without further consideration	on, communicate with
assignee, its sur	ccessors and assigns,	any facts known to ME/US	S respecting this invention and testify	in any legal proceeding,
sign an rawini I	papers when called u	pon to do so, execute and d	leliver all papers that may be necessa	ry or desirable to perfect
me due to uns i	invention in said assi	gnee, its successors and ass	signs, execute all divisional, continua	tion, and reissue
applications, m	iake ali rightitul oaths	and generally do everythin	g possible to aid assignee, its success	sors and assigns, to obtain
and enforce pro	oper patent protection	i for this invention in the U	nited States, it being understood that	any expense incident to the
execution of su	on papers shall be bo	orne by the assignee, its suc	cessors and assigns.	
		INVENTORS	DAT	TE SIGNED
				I D DIOINED
1):	Masanore /	7	6.13.201	. 4
Name:		•	0.73.237	
ivanie.	Mas	anori TACHIBANA		
2) .				
2): N		* * 1 * ** * * * * * * * * * * * * * *		
Name:		Junichi INOUE		
0)				
3):				

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Page 1 of 1

Shoubun HARA

Name:

		ASSIGNMI	CNT	
Wh	ereas, I/we,			
	Name	Address		
		c/o Ehime Works of SUMITOMO HE	AVY INDUSTRIES LTD	
1) Masanori TACHIBANA		5-2, Sobirakicho,	and the constitution of th	
, 		Niihama-shi, Ehime 792-8588 Japan		
		c/e Ehime Works of SUMITOMO HE	AVY INDUSTRIES, LTD.,	Control of the Contro
2) Junichi INOUE		5-2, Sobirakicho,		
		Niihama-shi, Ehime 792-8588 Japan		
3)	Shoubun HARA	c/o Yokosuka Works of Surnitomo He 19, Natsushima-cho,	avy industries, i.td.,	
3) Sububun HARA		Yokosuka-shi, Kanagawa 237-8555 Japan		
1				
		nvented certain improvements in		
PA.	RTICLE BEAM IRRADIATI	ON APPARATUS		
and	executed an application for Lette	ers Patent of the United States of Ar	nerica therefor on even date herewith t	umlasa athamailas
	cated below:	to I dient of the Chiled Blates of Al	notice dicteror of even date herewith	aluess officiwise
	filed on	Seri	al No.	· and
	Whereas	, 1,041	III 110.	; and
	SUMITOMO HEAVY IN	mierbice i ro		
		•		
	1-1, Osaki 2-	,		
	.	u, Tokyo 141-6025 Japan		
(ass	ignee), desires to acquire the enti	re right, title and interest in the app	lication and invention, and to any Unit	ted States
pate	nts to be obtained therefor;			
	NOW THEREFORE he it kno	oun that for good and valuable con	sideration from assignee, the receipt o	erialia i
hara	by admondadad IAVE as socie	mar(a) been sold assisted to the	sideration from assignee, the receipt of	of which is
	by acknowledged, b w.c., as assig	aior(s), nave soid, assigned, iransie	rred, and set over, and do hereby sell,	assign, transfer,
anc.	set over unto the assignee, its rav	itui successors and assigns, MY/O	UR entire right, title, and interest in an	d to this
inve	ntion and this application, and al	divisions, and continuations there	of, and all Letters Patent of the United	States which
may	be granted thereon, and all reiss	ues thereof; and I/WE hereby autho	rize and request the Commissioner of l	Patents and
Trac	emarks of the United States to is	sue all Letters Patent for this inven-	tion to assignee, its successors and assi	igns. in
acco	rdance with the terms of this Ass	ignment;	•	
		· ·	u fat was as	
	AND, I WE HERED I TURNET	coverant and agree that DWE WIII,	without further consideration, commun	nicate with
issię	mee, its successors and assigns,	any facts known to ME/US respecti	ng this invention and testify in any lega	al proceeding,
sign	all lawful papers when called up	on to do so, execute and deliver all	papers that may be necessary or desira	able to perfect
he t	tle to this invention in said assig	nee, its successors and assigns, exe	cute all divisional, continuation, and re	eissue
appl	ications, make all rightful oaths a	and generally do everything possible	e to aid assignee, its successors and ass	sions to obtain
and e	enforce proper patent protection	for this invention in the United Stat	es, it being understood that any expens	sa incident to the
exec	ution of such papers shall be bor	ne by the assignee, its successors a	nd accions	se including to the
	and of paper canal of bor	no of an assistino, in autocssors a	id dosigno.	
		INVENTORS	DATE SIGNE	D
			** ** ** ** ** ** ** ** ** ** ** ** **	
l) :				
Van	e: Masa	nori TACHIBANA		P
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2):	Jeme	on Inone	_ 6.12.201	4
Ĵam	e : 0 I	unichi INOLIE		<u> </u>

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

Shoubun HARA

3):

Name:

ASSIGNMENT

		VOOLGIAME	11
Who	ereas, I/we,		
	<u>Name</u>	<u>Address</u>	
		c/o Ehime Works of SUMITOMO HEAV	Y INDUSTRIES, LTD.,
1)	Masanori TACHIBANA	5-2, Sobirakicho,	
		Niihama-shi, Ehime 792-8588 Japan c/o Ehime Works of SUMITOMO HEAV	V harmone the
2)	Junichi INOUE	5-2, Sobirakicho,	1 NOOSTRIES, LID.,
		Niihama-shi, Ehimo 792-8588 Japan	
21	Charles IIAD	c/o Yokosuka Works of Sumitomo Heavy	Industries, Ltd.,
3)	Shoubun HARA	19, Natsushima-cho, Yokosuka-shi, Kanagawa 237-8555 Japar	
•			
	- '''	evented certain improvements in	
PAI	RTICLE BEAM IRRADIATIO	ON APPARATUS	
and	executed an application for Lette	rs Patent of the United States of Amer	ica therefor on even date herewith unless otherwise
	cated below:		The second of th
	filed on	, Serial 1	No. ; and
	Whereas		,
	SUMITOMO HEAVY IN	DUSTRIES, LTD.	
	1-1, Osaki 2-	•	
	Shinagawa-ki	u, Tokyo 141-6025 Japan	
(assi	_		ation and invention, and to any United States
	nts to be obtained therefor;		and the involution, and to any office biates
		was that for good and valuable consid	eration from assignee, the receipt of which is
here	hv acknowledged I/WE as assig	mor(s) have sold assigned transferre	d, and set over, and do hereby sell, assign, transfer,
and s	set over unto the assignee its law	wful successors and assigned MY/OVIR	entire right, title, and interest in and to this
inve	ntion and this application, and all	divisions and continuations thereof	and all Letters Patent of the United States which
mav	be granted thereon, and all reiss	ues thereof and I/WE hereby authoriz	e and request the Commissioner of Patents and
Trad	emarks of the United States to is	sue all Letters Patent for this invention	n to assignee, its successors and assigns, in
	rdance with the terms of this Ass		a to assignos, has bused to to and assigns, in
		-	Shows Knowshim and I do not have the
accio	mee its successors and assigns	covenant and agree that DWE will, wi	thout further consideration, communicate with this invention and testify in any legal proceeding,
eim	all lauful naners when called un	on to do so execute and deliver all no	pers that may be necessary or desirable to perfect
the ti	itle to this invention in said assig	nee its successors and assigns evenu	te all divisional, continuation, and reissue
annli	ications make all rightful oaths a	and generally do everything possible to	o aid assignee, its successors and assigns, to obtain
and a	enforce proper patent protection	for this invention in the United States	it being understood that any expense incident to the
		ne by the assignee, its successors and	
		,	
		INVENTORS	DATE SIGNED
1):	And the second s		
Nam	ne: Masa	nori TACHIBANA	
2):			
Nam	ie:J	unichi INOUE	
	Chabu	n / LA A a	6,13,2014
3):	0/10/00	"	<u> </u>
Nam	ne: S	houbun HARA	

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RECORDED: 07/15/2014

PATENT REEL: 033313 FRAME: 0632