505781068 11/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5827894

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EIZABURO YAMAGUCHI	10/03/2019
TADASUKE KURITA	10/03/2019
HAJIME TADA	10/03/2019
YOKO TAGUCHI	10/03/2019
KANA SAKON	10/03/2019
AKIHISA OKUDA	10/03/2019
RYOJI OKABE	10/03/2019

RECEIVING PARTY DATA

Name:	MITSUBISHI HEAVY INDUSTRIES, LTD.
Street Address:	2-3, MARUNOUCHI 3-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8332

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16614913

CORRESPONDENCE DATA

Fax Number: (703)518-5499

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.

using a lax number, if provided, if that is unsuccessful, it will be sent

Phone: 703-684-1111

Email: bjhgroup@ipfirm.com

Correspondent Name: BENJAMIN J. HAUPTMAN

Address Line 1: 2318 MILL ROAD

Address Line 2: SUITE 1400

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	SHP-230
NAME OF SUBMITTER:	BENJAMIN J. HAUPTMAN
SIGNATURE:	/Benjamin J. Hauptman/
DATE SIGNED:	11/19/2019

Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif

ASSIGNMENT

In consideration of the premises and other	good and	valuable	consideration	in hand pai	d, the	receipt a	and s	ufficiency	of
which is hereby acknowledged, the undersigned,									

- 1) Eizaburo YAMAGUCHI
- 2) Tadasuke KURITA

- 3) Hajime TADA
- 4) Yoko TAGUCHI

5) Kana SAKON

6) Akihisa OKUDA

7) Ryoji OKABE

who has made a certain new and useful invention, hereby sells, assigns and transfers unto MITSUBISHI HEAVY INDUSTRIES, LTD. having a place of business at 2-3, Marunouchi 3-Chome, Chiyoda-ku, Tokyo 100-8332 Japan, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

FUEL TANK DAM

3 °	for which an application for United States Letters Patent was filed on, United States Patent Application No; or	and ic	dentified	by
(b)	for which an application for United States Letters Patent was executed on,			

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Eizabura Yanaquchi Name: Eizaburo YAMAGUCHI	October 3, 2019
Name: Eizaburo YAMAGUCHI	Date
2)	
Name: Tadasuke KURITA	Date
3)	
Name: Hajime TADA	Date
4) Yoka Taguch	October 3, 2019
Name: Yoko TAGUCHI	Date

Docket No.:

5) Kana Sakon	October 3, 2019
Name: Kana SAKON	Date
6 Alicada	October 3, 2019
Name: Akihisa OKUDA	Date
7) Rynge Ohnle	October 3, 2019
Name: Ryoji OK ABE	Date

ASSIGNMENT

		nsideration of the premises and other go y acknowledged, the undersigned,	od and v	aluable consideration in hand paid, the receipt and sufficiency of
	1)	Eizaburo YAMAGUCHI	2)	Tadasuke KURITA
	3)	Hajime TADA	4)	Yoko TAGUCHI
	5)	Kana SAKON	6)	Akihisa OKUDA
	7)	Ryoji OKABE		
HEAV Tokyo title an	<u>Y IN</u> 100- d inte	IDUSTRIES, LTD. having a pla 8332 Japan, its successors and a	ace of t ssigns	pusiness at 2-3, Marunouchi 3-Chome, Chiyoda-ku, (hereinafter designated "ASSIGNEE") the entire right, defined in 35 U.S.C. 100 in the invention entitled:
(a)	for w Unite	thich an application for United States Ind States Patent Application No.	Letters P	atent was filed on, and identified by; or
(b)	for w	hich an application for United States Lett	ters Pater	nt was executed on,
all Units continua Property agrees the applicat ASSIGN applicat ASSIGN	ed State ations to the nat the AND ion for VEE, i ions five, i vee, i	tes Letters Patent which may be granted in-part thereof, and the right to all ber a said ASSIGNEE, for its interest as AS attorneys of record in said application shows the undersigned hereby agrees to train and obtaining original, divisional, reissuccessors, assigns and legal represent or patent based thereon, growing out of	therefor nefits und SIGNEE nall herea nefer a ned or ex tatives, a f or rela	States Commissioner of Patents and Trademarks to issue any and e and any and all extensions, divisions, reissues, continuations, or der the International Convention for the Protection of Industrial, its successors, assigns and legal representatives; the undersigned fiter act on behalf of said ASSIGNEE; like interest, and to render all necessary assistance in making tended Letters Patent of the United States, upon request of the said and without further remuneration, in and to any improvements, and ted to the said invention; and to execute any papers by the said leemed essential to ASSIGNEE's full protection and title in and to
SIGNE	on the	ne date indicated aside my signature:		e .
1)	,		÷	
Name	: Eizal	ouro YAMAGUCHI	•	Date
2) 7	Task	asuke Unita	_ ,	October 3, 2019
Name	: Tada	suke KURITA		Date
3)				
Name	: Hajir	me TADA		Date
4)	**************************************		·	
Name	: Yoko	TAGUCHI		Date

T- 1 .	~ T	
Docket	NIO	٠
TACATACE	TAO.	٥

Name: Kana SAKON	Date	
6) Name: Akihisa OKUDA	Date	
7) Name: Ryoji OKABE		

73	ocket	Mo	

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- 1) Eizaburo YAMAGUCHI
- Tadasuke KURITA
- Hajime TADA
- 4) Yoko TAGUCHI
- Kana SAKON
- Akihisa OKUDA
- Ryoji OKABE

who has made a certain new and useful invention, hereby sells, assigns and transfers unto MITSUBISHI HEAVY INDUSTRIES, LTD. having a place of business at 2-3, Marunouchi 3-Chome, Chiyoda-ku, Tokyo 100-8332 Japan, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

ĽU.	FUEL IANK DAM				
(a)	for which an application for United States Letters Patent was filed on, and identified by United States Patent Application No; or				
(b)	for which an application for United States Letters Patent was executed on,				
all Ur contir Prope	e undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and ited States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or unations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial ty to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and logal representatives; the undersigned that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;				
ASSI	AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making ation for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said 3NEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and ations for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said				

ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred. SIGNED on the date indicated aside my signature;

1)	
Name: Eizaburo YAMAGUCHI	Date
2)	
Name: Tødasuke KURITA	Date
3) From Carly	October 3, 2019
Name: Hajime TADA	Date
4)	
Name: Yoko TAGUCHI	Date

~~	*		*	
5 3	$\alpha c \nu \alpha$	5 iQ	10	٠
محد	ocke	しょい	4 V.	٠

5)		
Name: Kana SAKON	Date	
•		
6)		
Name: Akihisa OKUDA	Date	
7)		
Name: Ryoji OKABE	Date	

PATENT REEL: 051051 FRAME: 0583

RECORDED: 11/19/2019