PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

EPAS ID: PAT7461309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHINJI FUJITA	07/14/2022
HIKARU KUROSAKI	07/14/2022
YUTA ISHII	07/14/2022

RECEIVING PARTY DATA

Name:	MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.
Street Address:	3000, TANA, CHUO-KU
City:	SAGAMIHARA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	252-5293

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	17796491		

CORRESPONDENCE DATA

Fax Number: (703)205-8050

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.

Phone: 7032058000

Email:tuyen.y.ly@bskb.com, mailroom@bskb.comCorrespondent Name:BIRCH STEWART KOLASCH & BIRCH LLPAddress Line 1:8110 GATEHOUSE ROAD, SUITE 100EAddress Line 4:FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	4898-0523PUS1
NAME OF SUBMITTER:	TUYEN LY
SIGNATURE:	/tuyen ly/
DATE SIGNED:	07/30/2022

Total Attachments: 6

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PATENT 507414381 REEL: 060682 FRAME: 0671

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PATENT REEL: 060682 FRAME: 0672

Application No: 17/796,491 Filed on 07/29/2022

Attorney Docket No. 4898-0523PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Emaíl: mailrocm@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

United States Patent Rights, or United States Plus all Foreign Patent Rights

Title of invention ⇒ COMBUSTOR AND CASTURBINE

		COMMOSION AND CROSTONIANE
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
		This declaration is directed to the application attached hereto.
Application not Attached	¢	If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
inter Applin, No.	φ	United States Application Number or PCT International Appln. No. PCT/JP2020/006389
inter Filing Date	⇔	filed on February 19, 2020 .
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
nsert Name E Assignee	Ġ	WHEREAS, MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.
nsert Address f Assignee	4	of 3000, Tana, Chuo-ku, Sagamihara-shi, Kanagawa 252-5293 Japan,
		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
Jeck Box if Appropriate	ాన	in any foreign countries.
A CONTRACTOR		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged,

the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Page 1

BSKB-DECASSIGN(09-12)

Application No: 17/796,491

Filed on 07/29/2022

Attorney Docket No. 4898-0523PUS1

The undersigned agrees 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 agrees 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 Letters 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 agrees 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 agrees to perform all affirmative acts which may be necessary to obtain 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 authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) 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 the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

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

		LEGAL N	AME OF INVENTOR				
Inventor's Name	1\$	Inventor:	Shinji FUJITA	Date:	July	14,	2022
Inventor's Signatur	e ဆ	Signature;	والمرابع المنظول المرابع المنظول المنظ				
An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.							
☑ Additional inventors are being named on the 1_supplemental sheet(s) attached hereto,							

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BSKE-DECASSIGN-SINGLE (09-12)

Application No: 17/796,491

Filed on 07/29/2022

Attorney Docket No. 4898-0523PUS1

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1

		LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	ڼ	Inventor:	Hikaru KUROSAKI	Date:	July 14, 2022
Inventor a Signature	4	Signature:	Hihara Kurosaki		7
		LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	Φ	Inventor:	Yuta ISHII	Date:	
laventer's Signature	0	Signature:			

BSKB-DECASSIGN\(09-12)

PATENT REEL: 060682 FRAME: 0675 Application No: 17/796,491 Filed on 07/29/2022

> Attorney Docket No. 4898-0523PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

United States Patent Rights, or UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention ⇒ COMBUSTOR AND GAS TURBINE

As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:

This declaration is directed to the application attached hereto.

Application not

45 If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

Enter Applic No. Dunited States Application Number or PCT International Applic. No. PCT/JP2020/006389

Enter Filing Date of filed on February 19, 2020

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

Insert Name of Assignce

WHEREAS, MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.

Insert Address of Assignee

🗘 of 3000, Tana, Chuo-ku, Sagamihara-shi, Kanagawa 252-5293 Japan,

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

Check Box if Appropriate

in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Page 1

BSKB-DECASSIGN(09-12)

Application No: 17/796,491 Filed on 07/29/2022

Attorney Docket No. 4898-0523PUS1

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The undersigned agrees 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 agrees 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 authorizes and requests the Paient and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) 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 the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

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

LEGAL NAME OF INVENTOR

Inventor's Name	s.\$	Inventor:	Shinji FUJITA	Date;
Inventor's Signatu	iē ⇔	Signature:		
			O/SB/14 or equivalent), including naming the entire inventiv nventor; or check the box below and complete the attached pa	
M Additions	l in	contare and l	aing named on the 1 sumplemental sheets attached berets	

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BSKB-DECASSIGN-SINGLE (09-12)

Application No: 17/796,491

Filed on 07/29/2022

Attorney Docket No. 4898-0523PUS1

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1

		LEGAL N.	AME OF JOINT INVENTOR, IF ANY		
loventor's Name	ø	Inventor:	Hikaru KUROSAKI	Date:	***************************************
Inventor's Signature	υģ	Signature:		************	***************************************
		LEGAL N	AME OF JOINT INVENTOR, IF ANY		
inventor's Name	స	Inventor:	Yuta ISHII	Date:	July 14, 2022
Inventor's Signature	0)	Signature:	Yesta Polici		, , , , , , , , , , , , , , , , , , , ,

85KB-D8CASSIGN\(09-12)

PATENT REEL: 060682 FRAME: 0678

RECORDED: 08/01/2022