PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6624349

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHIO ONOZUKA	03/18/2021
DAISUKE KOMORI	03/18/2021
YOSUKE KITAMURA	03/18/2021
SAKIYA WATANABE	03/18/2021
KO TAKAYANAGI	03/18/2021

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:	17279967	

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

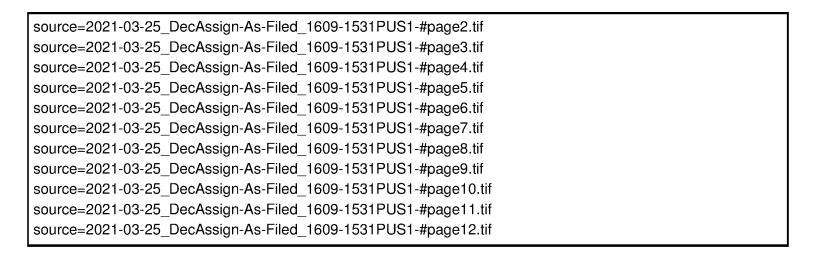
Email:mailroom@bskb.com, Tuyet.A.Nguyen@bskb.comCorrespondent Name:BIRCH, STEWART, KOLASCH & BIRCH, LLPAddress Line 1:8110 GATEHOUSE ROAD, SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	1609-1531PUS1
NAME OF SUBMITTER:	TUYET ANH NGUYEN
SIGNATURE:	/TUYET ANH NGUYEN/
DATE SIGNED:	03/25/2021

Total Attachments: 12

source=2021-03-25_DecAssign-As-Filed_1609-1531PUS1-#page1.tif



P201800452US01 OSQ-02134 US D/A 1/3 Attorney Docket No.: 1609-1531PUS1

SN: 17/279,967 Filed on 03/25/2021

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	⇒INTERNAL COMBUSTION ENGINE AND POWER GENERATION SYSTEM		
	As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:		
Application not Attached	⇒ This declaration is directed to the application attached hereto. 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 Appln. No.	Dunited States Application Number or PCT International Appln. PCT/JP2019/030549 No.		
Enter Filing Date	⇒filed on_August 2, 2019 .		
	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 $\S~1.56$.		
	WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.		
nsert Name of Assignee	⇒WHEREAS, MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.		
nsert Address of Assignee	⇒ of 3000, Tana, Chuo-ku, Sagamihara-shi, Kanagawa 252-5293 Japan,		
Ü	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		
Theck 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.		

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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.

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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	⇔ Inventor:	Michio ONOZUKA	Date:	March 18, 2021
Inventor's Signature	⇔ Signature:	michio onozuka		
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.				
$igstyle igstyle$ Additional inventors are being named on the $\underline{1}$ supplemental sheet(s) attached hereto.				

BSKB-DECASSIGN\(09-12)

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SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name → Inventor: Daisuke KOMORI Date: March 18, 2021 Inventor's Signature = Signature: Daisuke KOMORI LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name

Inventor: Yosuke KITAMURA

Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Sakiya WATANABE Date: Inventor's Signature "Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Ko TAKAYANAGI Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name "Inventor: Date: Inventor's Signature "Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Date: Inventor's Name বInventor: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Date: Inventor's Signature "Signature:

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Application not Attached	[⇒] This declaration is directed to the application attached hereto. 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:		
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	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 Assignee	⇒WHEREAS, MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.		
Insert Address of Assignee	⇒of 3000, Tana, Chuo-ku, Sagamihara-shi, Kanagawa 252-5293 Japan,		
Ü	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.		

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

	LEGAL N	AME OF INVENTOR		
Inventor's Name	⇒ Inventor:	Michio ONOZUKA	Date:	
Inventor's Signature	^{e ⇒} Signature:			
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.				
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SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇔ Inventor:	Daisuke KOMORI	Date:	
Inventor's Signature	⇔ Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒ Inventor:	Yosuke KITAMURA	Date:	March 18, 2021
Inventor's Signature	⇒ Signature:	yosuka Kitamula		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	বInventor:	Sakiya WATANABE	Date:	
Inventor's Signature	≒Signature:	<u></u>		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	Inventor:	Ko TAKAYANAGI	Date:	
Inventor's Signature	≤Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	"Inventor:		Date:	
Inventor's Signature	"Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⁵Inventor:		Date:	
Inventor's Signature	⁵Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
inventor's Name	Inventor:		Date:	
Inventor's Signature	^e Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
inventor's Name	Inventor:		Date:	
Inventor's Signature	Signature:		- 1000 - 1	

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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.		

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

	LEGAL N	AME OF INVENTOR		
Inventor's Name	⇒ Inventor:	Michio ONOZUKA	Date:	
Inventor's Signature	^{? ⇒} Signature:			
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PATENT PATENT REEL: 055731 FRAME: 0565

Attorney Docket No.: 1609-1531PUS1

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ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name

→ Inventor: Daisuke KOMORI Date: Inventor's Signature → Signature; LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Sinventor: Yosuke KITAMURA Date: Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY _____ Date: _____ March 18, 2021 Inventor: Sakiya WATANABE Inventor's Name Inventor's Signature Signature: Sakiya Watahabe LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Ko TAKAYANAGI Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name ⁵Inventor: Date; Inventor's Signature "Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name *Inventor: Date:

Inventor's Signature Signature:

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Insert Name of Assignee ⇒WHEREAS, MITSUBISHI HEAVY INDUSTRIES ENGINE & TURBOCHARGER, LTD.

Insert Address of Assignee ⇒of 3000, Tana, Chuo-ku, Sagamihara-shi, Kanagawa 252-5293 Japan,

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Check Box if Appropriate

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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.

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Inventor's Signature Signature:									
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Inventor's Name	⇔ Inventor:	Yosuke KITAMURA	Date:						
Inventor's Signature Signature:									
	LEGAL N	AME OF JOINT INVENTOR, IF ANY							
Inventor's Name	⁵ Inventor:	Sakiya WATANABE	Date:						
Inventor's Signature	Signature:								
	LEGAL N	AME OF JOINT INVENTOR, IF ANY							
Inventor's Name	≒Inventor:	Ko TAKAYANAGI	Date:	March 18, 2021					
Inventor's Signature	∹Signature:	Ko Takayanagi							
	LEGAL N	AME OF JOINT INVENTOR, IF ANY							
Inventor's Name	5Inventor:		Date:						
Inventor's Signature	5Signature:								
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Inventor's Signature	⁵Signature:								
	LEGAL N	AME OF JOINT INVENTOR, IF ANY							
Inventor's Name	⁴Inventor:		Date:						
Inventor's Signature	Signature:								
	LEGAL N	IAME OF JOINT INVENTOR, IF ANY							
Inventor's Name	"Inventor:		Date:						
Inventor's Signature	⁵Signature:								

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