

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5161651

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HIDEAKI KANEKO	09/06/2018
KENJI YAMAMOTO	09/06/2018
TAKANORI KARATO	09/06/2018
NORIFUMI HIRATA	09/06/2018
NAOYA FUJITA	09/06/2018
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State/Country:	JAPAN
Postal Code:	108-8215
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16088885
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SIGNATURE:	/SARAH PEDERSEN/
DATE SIGNED:	09/27/2018
Total Attachments: 2	

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**COMBINED DECLARATION AND ASSIGNMENT
FOR UTILITY OR DESIGN APPLICATION**

**Title of
Invention**

TURBINE BLADE DESIGNING METHOD, TURBINE BLADE MANUFACTURING
METHOD, AND TURBINE BLADE

DECLARATION

As a below named inventor, I hereby declare that:

This declaration
is directed to:

The attached application, or

United States application or PCT international application
number PCT/JP2016/074367 filed on August 22, 2016.

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 hereby acknowledge 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application
unless that person has reviewed and understands the contents of the application, including the claims, and is
aware of the duty to disclose to the Office all information known to the person to be material to patentability as
defined in § 1.56."

ASSIGNMENT

In consideration of the good and valuable consideration paid, I hereby sell and assign to

mitsubishi heavy industries, ltd.

(Name of Assignee)

of **16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan**

(Address of Assignee)

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35
USC 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the
invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments
in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in
connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in
every way possible in obtaining evidence and going forward with such post-grant proceeding.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in
connection with claims or provisions of the International Convention for Protection of Industrial Property or
similar agreements, which includes the right to claim priority and the right to be granted a patent in any PCT
Contracting State.

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to

the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

First Inventor (Legal Name): Hideaki KANEKO

Signature: Hideaki Kaneko

Date: Sep. 6, 2018

Second Inventor (Legal Name): Kenji YAMAMOTO

Signature: Kenji Yamamoto

Date: Sep. 6, 2018

Third Inventor (Legal Name): Takanori KARATO

Signature: Takanori Karato

Date: Sep. 6, 2018

Fourth Inventor (Legal Name): Norifumi HIRATA

Signature: Norifumi Hirata

Date: Sep. 6, 2018

Fifth Inventor (Legal Name): Naoya FUJITA

Signature: Naoya Fujita

Date: Sep. 6, 2018

Sixth Inventor (Legal Name): _____

Signature: _____

Date: _____

Seventh Inventor (Legal Name): _____

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Eighth Inventor (Legal Name): _____

Signature: _____

Date: _____