PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIE OKABAYASHI	08/09/2018
YASUHIRO KOSHIOKA	08/09/2018
AKIRA NISHIZAWA	08/10/2018
MITSURU KURITA	08/10/2018
HIDETOSHI IIJIMA	08/16/2018

RECEIVING PARTY DATA

Name:	JAPAN AEROSPACE EXPLORATION AGENCY
Street Address:	7-44-1, JINDAIJI HIGASHI-MACHI
City:	CHOFU-SHI, TOKYO
State/Country:	JAPAN
Postal Code:	182-8522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16080772

CORRESPONDENCE DATA

Fax Number: (571)395-8753

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.

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Email: patentmail@whda.com

Correspondent Name: WESTERMAN HATTORI DANIELS & ADRIAN LLP

Address Line 1: 8500 LEESBURG PIKE, SUITE 7500

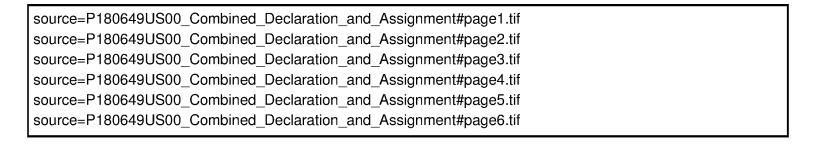
Address Line 4: TYSONS, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	P180649US00
NAME OF SUBMITTER:	YOLIDIA A. PASOS
SIGNATURE:	/YOLIDIA A. PASOS/
DATE SIGNED: 08/29/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).
T-1-1 AU1	•

Total Attachments: 6

PATENT REEL: 046740 FRAME: 0699

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Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

Insert Title:	RIBLET STRUCTURE A	AND OBJECT	
was filed on	ched hereto unless the following is checked as United States Application Number ber and was amended on		as PCT
The above-identified application	on was made or authorized to be made by me.		
I hereby acknowledge that any by fine or imprisonment of no	willful false statement made in this declaration more than 5 years, or both.	on is punishable under section	1001 of title 18

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by

Insert Assignee(s) Name/Address: JAPAN AEROSPACE EXPLORATION AGENCY 7-44-1, Jindaiji Higashi-machi, Chofu-shi Tokyo 182-8522 Japan

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent 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, litigation, or other legal proceeding.

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United

Docket No.: P180649US00

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reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor ⇒	Ne Okabayashi	Date:	2018/08/09
Inventor's Signature	国林 希依		
Legal Name of inventor ⇔	Yasuhiro Koshioka	Date:	·
Inventor's Signature ⇒			
Legal Name of inventor ⇒	Akira Nishizawa	Date:	
Inventor's Signature ⇔			
Legal Name of inventor ⇒	Mitsuru Kurita	Date:	
Inventor's Signature ⇒			
Legal Name of inventor ⇔	Hidetoshi lijima	Date:	
Inventor's Signature ⇔			

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Hereby executed by the undersigned on the date opposite the undersigned name:

Kie Okabayashi Legal Name Date: of inventor ⇒ Inventor's Signature Yasuhiro Koshioka Legal Name of inventor ⇒ Inventor's Signature Akira Nishizawa Legal Name of inventor ⇒ Inventor's Signature ⇒ Legal Name of inventor ⇔ Inventor's Signature Hidetoshi Iljima Legal Name Date: of inventor ⇒ Inventor's

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the application of v	which is attached heret	o unless the following is checked		
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The above-identific	ed application was mad	de or authorized to be made by me.		
-	dge that any willful fa	dse statement made in this declaration 5 years, or both.	on is punishable under section	1001 of title 18

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Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor ⇔	Kie Okabayashi	Date:	
Inventor's Signature ⇔			
Legal Name of inventor ⇒	Yasuhiro Koshioka	Date:	
Inventor's Signature ⇔			
Legal Name of inventor ⇒	Akira Nishizawa	Date:	
Inventor's Signature ⇔			
Legal Name of inventor ⇔	Mitsuru Kurita	Date:	
Inventor's Signature ⇒			
Legal Name of inventor ⇒	Hidetoshi lijima	Date: 20/8,8,/6	
Inventor's Signature ⇔	颜島変俊	,	