# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HIROAKI RIKIHISA	04/24/2013
MASATO TACHIBANA	04/23/2013
MICHIHIRO SHIMADA	04/23/2013
KINJI ASAKA	04/26/2013
KEN MUKAI	04/26/2013
TAKUSHI SUGINO	04/26/2013

## **RECEIVING PARTY DATA**

Name:	FURUKAWA ELECTRIC CO., LTD.
Name:	FUNUKAWA ELECTRIC CO., LTD.
Street Address:	2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8322
Name:	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
Street Address:	3-1, KASUMIGASEKI 1-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8921

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14454714

## **CORRESPONDENCE DATA**

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PATENT

502926935 REEL: 033491 FRAME: 0663

ATTORNEY DOCKET NUMBER:	5414-012A
NAME OF SUBMITTER:	BENJAMIN J. HAUPTMAN
SIGNATURE:	/Benjamin J. Hauptman/
DATE SIGNED:	08/07/2014
Total Attachments: 6	
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source=assignment#page2.tif	
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# **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,

5)

Hiroaki RIKIHISA Masato TACHIBANA Kinji ASAKA

Ken MUKAI

3) Michihiro SHIMADA	6)	Takushi SUGINO		
who has made a certain new and useful invention, l	hereby sell	s, assigns and transfers unto		
FURUKAWA ELECTRIC CO., LTD. h	aving a pl	ace of business at 2-3, Maru	nouchi 2-chome	, Chiyoda-ku
Tokyo 1008322 Japan and NATIONAL I	NSTITU'	TE OF ADVANCED INI	OUSTRIAL SCII	ENCE AND
TECHNOLOGY having a place of business at	3-1, Kas	umigaseki 1- chome, Chi	iyoda-ku, Tokyo	1008921
Japan				
its successors and assigns (hereinafter designated "Aas defined in 35 U.S.C. 100 in the invention entitled		") the entire right, title and inte	rest for the United S	tates of America
AGGREGATED THREAD STRUCTU	RE, PRO	DUCTION METHOD	THEREOF, AN	<u>D</u>
ELECTRIC WIRE USING THE SAME	<u> </u>			
(a) for which an application for United States I United States Patent Application No	Letters Pate s the Unite tted therefore benefits un ASSIGNE n shall here transfer a sissued or e sentatives, at of or rel	ent was executed on	ents and Trademarks divisions, reissues, of tion for the Protecti- egal representatives; IGNEE; all necessary assist united States, upon re- tion, in and to any im d to execute any pa	to issue any and continuations, or ion of Industrial the undersigned ance in making equest of the said provements, and pers by the said
ASSIGNEE, its successors, assigns and legal repre- the invention hereby transferred.	sentatives,	deemed essential to ASSIGNE	E's full protection a	nd title in and to
SIGNED on the date indicated aside my signature:				
1) Híroahi Rihihisa Name: Hiroaki RIKIHISA	· .	April Date:	24 2013	<del>-</del>
2)				
2) Name: Masato TACHIBANA		Date:		<b>=</b> .
3)				
3)Name: Michihiro SHIMADA		Date:		

4)					
Name: Kinji ASAKA		Date:		. ,	
- <b>.</b>					
O) Name: Ken MUKAI	 -	Date:		-	
ຄ			*		
Name: Takushi SUGINO	•	Date:			

## ASSIGNMENT

In consideration of the premises a	and other good and	valuable consideration in ha	ind paid, the receipt and	sufficiency of
which is hereby acknowledged, the undersi	gned,			
1) Hiroaki RIKIHISA	4)	Kinji ASAKA		

2) Masato TACHIBANA 5) Ken MUKAI Takushi SUGINO 3) Michihiro SHIMADA who has made a certain new and useful invention, hereby sells, assigns and transfers unto FURUKAWA ELECTRIC CO., LTD. having a place of business at 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008322 Japan and NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY having a place of business at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 1008921 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 AGGREGATED THREAD STRUCTURE, PRODUCTION METHOD THEREOF, AND **ELECTRIC WIRE USING THE SAME** for which an application for United States Letters Patent was filed on \_\_\_\_ (a) United States Patent Application No. \_\_\_\_\_; or (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) Name: Hiroaki RIKIHISA 2) Masato Jewellum Name: Masato TACHIBANA

4)		
Name: Kinji ASAKA	Date:	
5)Name: Ken MUKAI 6)	Date:	
Name: Takushi SUGINO	Date:	

## **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,

Kinji ASAKA

4)

1) Hiroaki RIKIHISA

	2)	Masato TACHIBANA	. 5)	Ke	n MUKAI		
	3)	Michihiro SHIMADA	6)	Tal	kushi SUGINO		
who has i	made	a certain new and usefu	l invention, hereby	sells, assi	gns and transfers unto		
FURUI	KAV	VA ELECTRIC CO	D., LTD. having a	place of	business at 2-3, Maruno	uchi 2-chome, (	Chiyoda-ku.
Tokyo 1	1008	322 Japan and NAT	IONAL INSTIT	UTE O	F ADVANCED INDUS	STRIAL SCIEN	CE AND
TECH	NOL.	OGY having a place of	business at 3-1, K	asumiga	aseki 1- chome, Chiyo	da-ku, Tokyo 1	008921
Japan		· · · · · · · · · · · · · · · · · · ·					
		and assigns (hereinafter of 5 U.S.C. 100 in the inver		EE") the	entire right, title and interest	for the United State	es of America
<u>AGGR</u>	EGA	ATED THREAD ST	TRUCTURE, P	RODUC	CTION METHOD TE	EREOF, AND	
ELECT	ric	C WIRE USING T	HE SAME				
		hich an application for U d States Patent Applicati			s filed on; or	, and i	dentified by
(b)	for w	hich an application for U	nited States Letters	Patent wa	s executed on	<b>5</b> .	
all United continuat Property agrees tha	d Stat ions-i to the at the	es Letters Patent which in-part thereof, and the e said ASSIGNEE, for it attorneys of record in sa	may be granted then right to all benefits s interest as ASSIG id application shall h	refore and s under the NEE, its s nereafter a	es Commissioner of Patents all any and all extensions, divine International Convention successors, assigns and legal act on behalf of said ASSIGN interest, and to render all	isions, reissues, cor for the Protection I representatives; the NEE;	ntinuations, or of Industrial e undersigned
application ASSIGN application ASSIGN	on for EE, it ons fo EE, it	and obtaining original, as successors, assigns and preparent based thereon,	livisional, reissued of l legal representative growing out of or	or extende es, and w related to	d Letters Patent of the Unite ithout further remuneration, to the said invention; and to ed essential to ASSIGNEE's	ed States, upon required in and to any impro- execute any paper	est of the said overnents, and is by the said
SIGNED	on th	e date indicated aside m	y signature:				
1)							
Name:	Hiro	aki RIKIHISA			Date:		
2)	Mass	nto TACHIBANA			Date:		
					Date.		
Name:	Mich	ihiro SHIMADA	<del></del>		Date:		

4) Kingi Asaka
Name: Kinji ASAKA

Name: Ken MUKAI

Name: Takushi SUGINO

26 April 2013

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26 April 20/3