### 503844299 05/26/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
OSAMU KIMURA	03/21/2016
TSUTOMU YATSUO	03/26/2016
YASUNORI TANAKA	03/26/2016

### **RECEIVING PARTY DATA**

Name:	YAZAKI CORPORATION
Street Address:	4-28, MITA 1-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	108-8333
Name:	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND
Name.	TECHNOLOGY
Street Address:	
	TECHNOLOGY
Street Address:	TECHNOLOGY  3-1, KASUMIGASEKI 1-CHOME, CHIYODA-KU

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

Property Type	Number		
Application Number:	15054593		

#### **CORRESPONDENCE DATA**

**Fax Number:** (202)824-3001

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:** (202) 824-3000

**Email:** bwptopat@bannerwitcoff.com, aanderson@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: 007936.00154

NAME OF SUBMITTER: CHUNHSI ANDY MU

PATENT 503844299 REEL: 038727 FRAME: 0100

SIGNATURE:	/Chunhsi Andy Mu/			
DATE SIGNED:	05/26/2016			
Total Attachments: 2				
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source=Assignment#page2.tif				

PATENT REEL: 038727 FRAME: 0101

# **ASSIGNMENT**

		(1)	Osamu KIMURA	(5)		
(1-8)	Insert	(2)	Tsutomu YATSUO	(6)		
Name(s) of Inventor(s)	(3)	Yasunori TANAKA	(7)	-		
		(4)		(8)		
			In consideration of the sum of one each of the undersigned, the undersiover to	e dollar (\$1.00) and other good and valuable consider gned agree(s) to assign, and hereby does assign, tra	ations paid to	
(9)	Insert Name of Assignee	(9)	Yazaki Corporation and			
(10)	Insert Address	(10)	National Institute of Advanced Industrial Science and Technology  4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-8333 JAPAN,			
	of Assignee	(10)	and	IIYODA-KU, TOKYO 100-8921 JAPAN		
			as defined in 35 U.S.C. §100, in the provisional, non-provisional, divisional	ee) the entire right, title and interest for the United State e invention, and in all applications for patent including l, continuation, substitute, and reissue application(s), a amination certificates that may be granted on the invent	g any and all and all Letters	
(11) Insert Identification of Invention			INRUSH CURRENT LIMITING CIRC	UIT		
	such as Title, Case Number, or Foreign Application Numbe		(Attorney Docket No.			
			for which the undersigned has (have)	executed an application for patent in the United States o	of America	
(12)	Insert Date of Signing of Application	(12)	on			
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number	15/054,593		
applicati any app Assigne claims o reexami States re full right herewith	applications for the in ions and patents as the 2) The undersigned lication or continuation e in every way possible 3) The undersigned or provisions of the Interval of the undersigned agrant of a validation a grant of a validation as the undersigned esculting from said appet to convey the entire in the undersigned of the undersigned o	ventice Assi agree or dive in of agree matica agreed Unit hereb lication teresi	on, and any patent(s) issuing thereon, ignees may deem necessary.  e(s) to execute all papers necessary in vision thereof, or any patent or reissue a btaining evidence and going forward with e(s) to execute all papers and documer in all Convention for Protection of Industrie(s) to perform all affirmative acts white ded States patent to the Assignee.  by authorize(s) and request(s) the Commun(s) to the said Assignee, as Assignee therein assigned, and that he has (they beby grant(s) the firm of Banner & V	nts and perform any act which may be necessary in contain Property or similar agreements. In the may be necessary to obtain, maintain or confirm missioner of Patents to issue any and all Letters Patents of the entire interest, and hereby covenants that he has a have) not executed, and will not execute, any agreement witcoff, LTD the power to insert on this assignment.	ed concerning berate with the connection with by reissue or s of the United as (they have) ents in conflict at any further	
	tion of this document.			ith the rules of the United States Patent and Tradems) opposite the undersigned name(s).	ark Office for	
Date	. March 21.	26	Name of Inventor	Osama Kimura Osamu KIMURA	_ (SEAL)	
Date			Name of Inventor	Tsutomu YATSUO	_ (SEAL)	
Date			Name of Inventor	Yasunori TANAKA	_ (SEAL)	
Date			Name of Inventor		_ (SEAL)	
Data	•		Name of Inventor		(CEAL)	

Date \_

PATENT REEL: 038727 FRAME: 0102

Name of Inventor \_\_\_\_\_ (SEAL)

# **ASSIGNMENT**

		(1)	Osamu KIMURA	(5)		-	
(1-8)	Insert	(2)	_Tsutomu YATSUO	(6)			
	Name(s) of Inventor(s)	(3)	Yasunori TANAKA	(7)			
	4	(4)		(8)			
			In consideration of the sum of one each of the undersigned, the undersover to	dollar (\$1.00) and	d other good and valuable assign, and hereby does as	considerations paid to sign, transfer and set	
(9)	Insert Name of Assignee	(9)					
(10)	Insert Address of Assignee	(10)	4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-8333 JAPAN.				
	_		and 3-1, KASUMIGASEKI 1-CHOME, CH				
			(hereinafter designated as the Assignas defined in 35 U.S.C. §100, in the provisional, non-provisional, divisional Patent, extensions, reissues and reext	e invention, and in I, continuation, sub	all applications for patent stitute, and reissue applicat	including any and all	
(11)	Insert Identification	(11)	INRUSH CURRENT LIMITING CIRC	UIT		•	
	of Invention such as Title, Case						
	Number, or Foreigr Application Numbe		(Attorney Docket No.				
			for which the undersigned has (have)		ation for patent in the United	States of America	
(12)	Insert Date of Signing of Application	(12)	an ·				
(13)	Alternative	(13)	U.S. application Serial Number	15/054,593			
•	Identification for filed applications		filed February 26, 2016				
any appi Assigned claims of reexamiliant States refull right herewith identificate recordati	applications for the in ions and patents as the constant of the undersigned lication or continuation e in every way possible.  3) The undersigned or provisions of the Intervisions of the Intervisions of the Intervision a grant of a validation a grant of a validation a grant of a validation approved the entire in the convey the entire in the intervision of this document.	ventione Assignation agree or diversition agreed Unite hereby lication terest	e(s) to execute all papers necessary in n, and any patent(s) issuing thereon, in gnees may deem necessary.  (s) to execute all papers necessary in itsion thereof, or any patent or reissue a pataining evidence and going forward with (s) to execute all papers and documer nal Convention for Protection of Industrials (s) to perform all affirmative acts while States patent to the Assignee. It is youthorize(s) and request(s) the Common(s) to the said Assignee, as Assignee therein assigned, and that he has (they only grant(s) the firm of Banner & Warry or desirable in order to comply with ted by the undersigned on the date(s).	and also to execute connection with an application based the such interference, and perform any large property or similarly and perform any be necesson inssioner of Patents of the entire interest have) not executed witcoff, LTD the path the rules of the	e separate assignments in y interference which may be ereon, for the invention, and y act which may be necessar agreements.  ary to obtain, maintain or of the invention of the	connection with such e declared concerning to cooperate with the ary in connection with confirm by reissue or Patents of the United at he has (they have) agreements in conflict	
Date	ı		Name of Inventor				
		- 11	Name of Inventor	Osamu KIMURA		(SEAL)	
Date	3, 26, 2	ر احد	Name of inventor	Tsutomu YATSU		(SEAL)	
Date	3, 26, 20	010	Name of Inventor	Yasunovi Yasunori TANAK	Hanada	(SEAL)	
Date		-	Name of Inventor	7.11		(SEAL)	
Date			Name of Inventor			(SEAL)	
Date			Name of Inventor			(SFAL)	

PATENT REEL: 038727 FRAME: 0103

**RECORDED: 05/26/2016**