

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Chunhui Zhu	01/21/2009
Haizhou Zhao	01/21/2009
Zhiyu Liu	01/21/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Emerson Network Power, Energy Systems, North America
<b>Street Address:</b>	1122 F Street
<b>City:</b>	Lorain
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12297044
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	248-641-1600
<b>Email:</b>	agrubb@hdp.com
<b>Correspondent Name:</b>	HARNESS, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 828
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48303
<b>ATTORNEY DOCKET NUMBER:</b>	9679Z-000016/US/NP
<b>NAME OF SUBMITTER:</b>	Amy C. Grubb
<b>Total Attachments: 6</b> source=Signed_Assignment#page1.tif source=Signed_Assignment#page2.tif	

CH \$40.00 12297044

**500917555**

**PATENT**  
**REEL: 022994 FRAME: 0986**

source=Signed\_Assignment#page3.tif  
source=Signed\_Assignment#page4.tif  
source=Signed\_Assignment#page5.tif  
source=Signed\_Assignment#page6.tif

## **ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made by Chunhui Zhu; Haizhou Zhao; and Zhiyu Liu (hereinafter referred to as Assignors), residing at No. 1 Kefa Rd. Science & Industry Park,, Nanshan District, Guangdong Province, Shenzhen 518057, PEOPLE'S REPUBLIC OF CHINA; No. 1 Kefa Rd. Science & Industry Park,, Nanshan District, Guangdong Province, Shenzhen 518057, PEOPLE'S REPUBLIC OF CHINA; and No. 1 Kefa Rd. Science & Industry Park,, Nanshan District, Guangdong Province, Shenzhen 518057, PEOPLE'S REPUBLIC OF CHINA, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in A MODULATION CONTROL METHOD AND SYSTEM FOR A RESONANCE CIRCUIT, set forth in a Patent application for which an International Application was filed on February 13, 2007, PCT/CN2007/000509, designating the United States; and

**WHEREAS**, Emerson Network Power, Energy Systems, North America, Inc., a Corporation organized under and pursuant to the laws of Ohio having its principal place of business at 1122 F Street, Lorain, Ohio 44052 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, including the right to recover for past infringements, the same to be held and enjoyed by Assignee, for its own use and

benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HARNES, DICKEY & PIERCE, P.L.C.

All practitioners at Customer Number 27572

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

09.1.21  
Date

Chunhui Zhu  
Chunhui Zhu

**Witness:**

09.1.21  
Date

Nan Li

09. 1. 21  
Date

Haizhou Zhao  
Haizhou Zhao

**Witness:**

09. 1. 21  
Date

Nan Li

2009. 1. 21

Date

Zhiyu Liu

Zhiyu Liu

**Witness:**

09. 1. 21

Date

Nan Li