

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alan Patrick Cahill</td> <td>02/05/2013</td> </tr> <tr> <td>Gary P. Casey</td> <td>02/05/2013</td> </tr> <tr> <td>John A. Cleary</td> <td>02/05/2013</td> </tr> <tr> <td>Eoin Edward English</td> <td>02/05/2013</td> </tr> <tr> <td>Christian Jimenez</td> <td>02/05/2013</td> </tr> <tr> <td>Javier Calpe Maravilla</td> <td>02/05/2013</td> </tr> <tr> <td>Colin G. Lyden</td> <td>02/05/2013</td> </tr> <tr> <td>Thomas F. Roche</td> <td>02/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Alan Patrick Cahill	02/05/2013	Gary P. Casey	02/05/2013	John A. Cleary	02/05/2013	Eoin Edward English	02/05/2013	Christian Jimenez	02/05/2013	Javier Calpe Maravilla	02/05/2013	Colin G. Lyden	02/05/2013	Thomas F. Roche	02/05/2013
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<b>RECEIVING PARTY DATA</b>																			
<table border="1"> <tr> <td>Name:</td> <td>Analog Devices Technology</td> </tr> <tr> <td>Street Address:</td> <td>Par La Ville Place 14, 3rd floor</td> </tr> <tr> <td>Internal Address:</td> <td>Par La Ville Road</td> </tr> <tr> <td>City:</td> <td>Hamilton</td> </tr> <tr> <td>State/Country:</td> <td>BERMUDA</td> </tr> </table>		Name:	Analog Devices Technology	Street Address:	Par La Ville Place 14, 3rd floor	Internal Address:	Par La Ville Road	City:	Hamilton	State/Country:	BERMUDA								
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<b>CORRESPONDENCE DATA</b>																			
<p>Fax Number:  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202 220 4200  Email: EBRAUER@KENYON.COM  Correspondent Name: KENYON &amp; KENYON LLP  Address Line 1: 1500 K STREET, NW  Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-1257</p>																			
ATTORNEY DOCKET NUMBER:	13641/451601																		

CH \$40.00 13760622

PATENT

NAME OF SUBMITTER:

Erica M. Brauer

Total Attachments: 4

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**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, hereby sell, assign, and transfer to **Analog Devices Technology**, having a principal place of business at 3<sup>rd</sup> Floor, Par La Ville Place 14, Par La Ville Road, Hamilton, Bermuda ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled:

**CONTROL TECHNIQUES FOR MOTOR DRIVEN SYSTEMS UTILIZING BACK-EMF MEASUREMENT TECHNIQUES**

the specification of which is attached hereto unless the following is entered:

Filed on	as United States Application Number	and was amended on (if applicable)

and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States or any foreign country on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Inventor: **Alan Patrick Cahill**

Inventor Signature	<i>Alan Cahill</i>	Date	<i>5/2/2013</i>
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Inventor: **Gary P. Casey**

Inventor Signature	<i>Gary Casey</i>	Date	<i>5/2/2013</i>
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Inventor: **John A. Cleary**

Inventor Signature	<i>John Cleary</i>	Date	<i>5/2/2013</i>
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Inventor: **Eoin Edward English**

Inventor Signature 	Date 5 <sup>th</sup> / Feb / 2013
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Inventor: **Christian Jimenez**

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