

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2686024

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>WARREN GORDON PETTIGREW</td> <td>11/28/2013</td> </tr> <tr> <td>IAN PALMER</td> <td>11/28/2013</td> </tr> <tr> <td>BRENDON DAVID HALE</td> <td>11/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	WARREN GORDON PETTIGREW	11/28/2013	IAN PALMER	11/28/2013	BRENDON DAVID HALE	11/28/2013
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<table border="1"> <tr> <td>Name:</td> <td>DYNAMIC CONTROLS</td> </tr> <tr> <td>Street Address:</td> <td>17 PRINT PLACE</td> </tr> <tr> <td>City:</td> <td>RICCARTON, CHRISTCHURCH</td> </tr> <tr> <td>State/Country:</td> <td>NEW ZEALAND</td> </tr> </table>		Name:	DYNAMIC CONTROLS	Street Address:	17 PRINT PLACE	City:	RICCARTON, CHRISTCHURCH	State/Country:	NEW ZEALAND
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CORRESPONDENCE DATA									
<p>Fax Number: (612)332-9081 Phone: 612.332.5300 Email: cmanthie@merchantgould.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: GREGORY D. LEIBOLD Address Line 1: P.O. BOX 2903 Address Line 2: MERCHANT & GOULD P.C. Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903</p>									
ATTORNEY DOCKET NUMBER:	15442.0063FP01								
NAME OF SUBMITTER:	GREGORY D. LEIBOLD								
Signature:	/Gregory D. Leibold/								
Date:	01/16/2014								
Total Attachments: 2 source=2014-01-17-Signed Assignment#page1.tif source=2014-01-17-Signed Assignment#page2.tif									

Inventor(s) Name,
Address, Citizenship

Check the appropriate box and fill in the requested information:

- select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution;
- select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation;
- select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or
- select the fourth check box if the application will be filed with the application.

Name of Corporation

State or Country of
Incorporation and Address

WHEREAS,

1. Warren Gordon PETTIGREW residing at 81 Downies Road, Halswell, Christchurch 8025, New Zealand and a citizen of New Zealand;
2. Ian PALMER residing at 17 Elwyn Place, Avonhead, Christchurch 8042, New Zealand and a citizen of Great Britain;
3. Brendon David HALE residing at 13 Vista Place, Christchurch, New Zealand and a citizen of New Zealand;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled METHOD OR SYSTEM FOR MINIMIZING THE IMPACT OF BACK EMF SAMPLING FOR MOTOR RESISTANCE PROFILING and which:

- ☐ is the national stage application of International Application No. _____ filed on _____;
- ☐ will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No. _____, filed _____) this application's U.S. Serial Number and filing date, when known;
- ☒ was filed on 12 August 2013 and was given U.S. Serial No. 13/964,284; or
- ☐ is filed concurrently herewith;

AND WHEREAS Dynamic Controls (herein called "ASSIGNEE"), a corporation organized under the laws of New Zealand, and having an office and place of business at 17 Print Place, Riccarton, Christchurch, New Zealand

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent

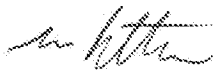

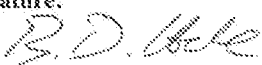
which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date
Note: No legalization or other
witness required

Name: <u>Warren Gordon</u> <u>PETTIGREW</u>	Signature: 	Date: <u>28/11/2013</u>
Name: <u>Ian PALMER</u>	Signature: 	Date: <u>29/11/2013</u>
Name: <u>Brendon David HALE</u>	Signature: 	Date: <u>28/11/2013</u>