

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Peter Quang Tran | 03/01/2007 |
| Timothy Andrew Mast | 03/01/2007 |
| RECEIVING PARTY DATA | |
| Name: | ABB LTD |
| Street Address: | Belgard Road |
| City: | 24 Tallaght Dublin |
| State/Country: | IRELAND |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 11414922 |
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| ATTORNEY DOCKET NUMBER: | E20040190 |
| NAME OF SUBMITTER: | Deborah Powers |
| Total Attachments: 2 source=E20040190 Executed Assignment#page1.tif source=E20040190 Executed Assignment#page2.tif | |

CH \$40.00 11414922

ASSIGNMENT

THIS Assignment is made on the dates hereinafter set forth.

WITNESSETH:

Whereas, we, Peter Quang Tran and Timothy Andrew Mast of, 6610 Castleforbes Court, Dublin, Ohio 43016 and 7722 Hathaway Park Court, Dublin, Ohio 43016 respectively, (hereinafter referred to as "ASSIGNOR") have made an invention entitled, **Method and Apparatus for Achieving a Fast cross Direction Caliper Control Recovery Time** Application Serial No. 11/414,922 filed on May 01, 2006, in the United States Patent and Trademark Office ("U.S. Utility Application"); and

WHEREAS, **ABB LTD.**, a corporation organized under the laws of Ireland, and having its headquarters at Belgard Road, 24 Dublin, Tallaght, is desirous of acquiring the entire right, title and interest in and to the invention, including all rights to file foreign patent applications for said invention and said U.S. Utility Application, and any and all Letters Patent of the United States which shall be granted therefor from the U.S. Utility Application and any and all Letters Patent of foreign countries which shall be granted therefor.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to **ABB LTD.** the ASSIGNOR's entire right, title and interest, for the United States of America, its territories and possessions in said invention, including said U.S. Utility Application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed the ASSIGNOR shall be legally bound, upon request and at the expense of **ABB LTD.** or its successors and assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of the invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign countries in the name of **ABB LTD.** or its successors and assigns and to execute all instruments proper to carry out the intent of this Assignment.

ASSIGNOR hereby warrants that no assignment, sale agreement or encumbrance has been or will be made or entered into which will conflict with this Assignment.

ASSIGNOR hereby requests the Director of the United States Patent and Trademark Office to issue the Letters Patent of the United States in accordance with this Assignment.

Because ASSIGNOR includes more than one person, these obligations shall apply to those persons individually and collectively.

ASSIGNOR #1:

Typed Name: Peter Quang Tran

01-March-2007
Date

Peter Quang Tran
Signature

ASSIGNOR #2

Typed Name: Timothy Andrew Mast

01-MARCH-2007
Date

Tim Andrew Mast
Signature