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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

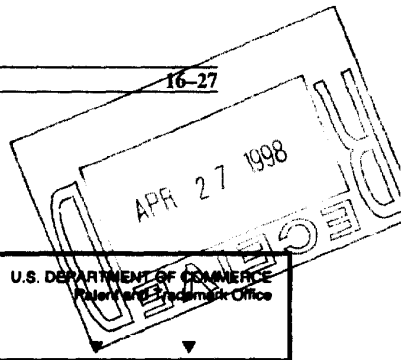
MRD 4-27-98

<p>1. Name of conveying party(ies): JOY TECHNOLOGIES INC.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: JOY MM DELAWARE, INC.</p> <p>Internal Address: _____</p> <p>Street Address: 3513 CONCORD PIKE SUITE 3001</p> <p>City: WILMINGTON State: DE ZIP: 19803</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: APRIL 21, 1998</p>	<p>4. Application number(s) or patent number(s): 08/779,856</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p> <p>A. Patent Application No.(s) _____ B. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: JAMES EARL LOWE, JR.</p> <p>Internal Address: LAW DEPARTMENT</p> <p>Street Address: 3600 S. LAKE DRIVE</p> <p>City: ST. FRANCIS State: WI ZIP: 53235</p>	<p>6. Total number of applications and patents involved: <input type="text" value="1"/></p> <p>7. Total fee (37 CFR 3.41).....\$ 40.00 <sup>E</sup></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 08-0757</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
DO NOT USE THIS SPACE	
<p>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p>JAMES EARL LOWE, JR. <i>James Earl Lowe, Jr.</i> APRIL 21, 1998</p> <p>Name of Person Signing _____ Signature _____</p> <p>Total number of pages including cover sheet, attachments, and document: <input type="text" value="2"/></p>	

Mail documents to be recorded with required cover sheet information to:  
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(Form PTO-1595-Recordation Form Cover Sheet [16-5]-page of 3)

PATENT  
REEL: 9149 FRAME: 0993



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# ASSIGNMENT

WHEREAS, **JOY TECHNOLOGIES INC.**, whose full post office address is Thorn Hill Industrial Park, 177 Thorn Hill Road, Warrendale, Pennsylvania 15086, United States of America, is the owner of the invention "Apparatus and Method for Controlling an Electric Motor having an Armature and a Series-Wound, Series Connected Field Coil that can be Separately Controlled During Regenerative Braking", U.S. Patent Application No. 08/779,856, filed January 3, 1997;

AND WHEREAS, **JOY MM DELAWARE, INC.**, whose full post office address is 3513 Concord Pike, Suite 3001, Wilmington, DE 19803, United States of America, has acquired from the said **JOY TECHNOLOGIES INC.** the whole right, title and interest in and to the said invention;

NOW THEREFORE to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, the said **JOY TECHNOLOGIES INC.** does hereby confirm that it has sold, assigned and transferred, and by these presents it does sell, assign and transfer to the said **JOY MM DELAWARE, INC.**, its successors and assigns, the whole right, title and interest in and to the said invention;

IN TESTIMONY WHEREOF the said **JOY TECHNOLOGIES INC.** has caused its Corporate Seal to be hereunto affixed by the hands of its duly authorized signing officer this 21st day of April, 1998 at Milwaukee, Wisconsin, USA.

JOY TECHNOLOGIES INC.

By

  
Title: Assistant Secretary

(Corporate Seal)