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JQ525 U.S. PTO
10/337835

01/07/03

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Richard E. Hartsfield

01/07/03

2. Name and address of receiving party(ies)

Name: Emerson Electric Co.

Internal Address: 8000 West Florissant

Street Address: 8000 West Florissant

City: St. Louis State: MO Zip: 63136

Additional Name(s) & address(es) attached? Yes No

Additional name of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: January 2, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 2, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Michael J. Thomas

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: 7700 Bonhomme Avenue

Suite 400

City: St. Louis State: MO Zip: 63105

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

DO NOT USE THIS SPACE

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.

Michael J. Thomas

Name of Person Signing

Signature

January 7, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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PATENT

REEL: 013643 FRAME: 0394

ASSIGNMENT

WHEREAS, I, Richard E. Hartsfield, Jr., have invented certain new and useful improvements for Controlling Electric Motor Cogging (hereinafter referred to as "Invention") and have executed an application for Letters Patent in the United States of America concurrently herewith; and

WHEREAS, I desire to assign all right, title and interest in said Invention, said application disclosing the Invention and any Letters Patent which may be granted therefor to Emerson Electric Co., a corporation of the State of Missouri, having its office and place of business at 8000 West Florissant, St. Louis, Missouri 63136 (hereinafter referred to as "Assignee"); and

WHEREAS, Assignee, is desirous of acquiring the entire right, title and interest in and to said Invention and improvements as disclosed in said application, in and to said application, and in and to any Letters Patent which may be granted therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, I, Richard Hartsfield have sold, assigned and transferred, and do hereby sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest in and to said Invention and improvements as the same are disclosed in said application, in and to said application, and in and to any Letters Patent, including any divisions, continuations, continuations-in-part, reissues, reexaminations, and extensions to be obtained thereof, in the United States, and countries foreign thereto, which may be granted for said Invention; and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto; and we further agree to cooperate with the Assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the Assignee may desire to apply for, but at the expense of said Assignee.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignee, as Assignee of the whole right, title and interest thereto; and we further agree to execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-

in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for the aforesaid Invention, as the Assignee, or its designees may require and prepare at its own expense; and execute all necessary and lawful future documents including assignments in favor of Assignee, or its designees, as Assignee or its designees may present to us in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto.

Richard E. Hartsfield, Jr.
Richard E. Hartsfield, Jr.

STATE OF MISSOURI :
COUNTY OF ST. LOUIS :

On this 2nd day of JANUARY, 2003 before me, a Notary Public, within and for the County of St. Charles, State of Missouri personally appeared Richard E. Hartsfield, Jr., to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Donna D. Hopson
Notary Public

My Commission Expires: June 27, 2004

