

01-29-2001

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PATENT

REEL: 011456 FRAME: 0526

Correspondent Name and Address

Area Code and Telephone Number

(216) 566-9700

Name Randolph E. Digges, III

Address (line 1) Rankin, Hill, Porter & Clark LLP

Address (line 2) 700 Huntington Building

Address (line 3) 925 Euclid Avenue

Address (line 4) Cleveland, Ohio 44115-1405

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/582004

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

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Number of Properties

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1

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Fee Amount for Properties Listed (37 CFR 3.41): \$

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Deposit Account



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18-0160

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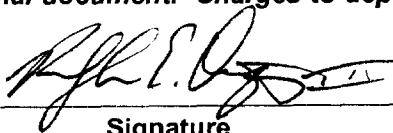


Statement and Signature

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. Charges to deposit account are authorized, as indicated herein.

Randolph E. Digges, III

Name of Person Signing



Signature

1-19-01

Date

ASSIGNMENT

WHEREAS, new and useful inventions and improvements have been made by the undersigned, such being entitled

ELECTRIC COMPONENT WITH SOLDERING-LESS TERMINAL FITMENT

(Enter title of invention)

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below which application is further identified as Rankin, Hill, Lewis & Clark, Docket No.

Hokuriku Electric Industry Co., Ltd. of

WHEREAS, 3158 Shimo-okubo, Osawano-machi, Kami-niikawagun, Toyama 939-2292 Japan

(Enter name of assignee)

a corporation of

Japan

(Enter state or country of incorporation)

hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest in and to said improvements and inventions and patent rights therefor in the United States of America.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States, in and to said improvements and inventions and all patents, patent applications, and patent rights, therefor, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof and all right to sue for past infringement thereunder, are hereby sold, assigned, and transferred unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and all executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors and assigns, any right, title, and interest covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in and to the same.

The undersigned hereby grant(s) the firm of Rankin, Hill, Lewis & Clark the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

June 15, 2000
Date Signed

Susumu Harada
(Enter first inventor's name) Susumu HARADA

Address:

c/o Hokuriku Electric Industry Co., Ltd.
3158 Shimo-okubo, Osawano-machi, Kami-nukawagin,
Toyama 939-2292 Japan