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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other _____

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Conveying Party(ies)

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Month Day Year

Name (line 1) Ikeda, Tetsuro Execution Date 06221999

Name (line 2) Execution Date

Second Party

Name (line 1) Morimoto, Takeshi Execution Date 06221999

Name (line 2) Execution Date

Receiving Party

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If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Sansha Electric Manufacturing Company, Limited

Name (line 2)

Address (line 1) 1-56, Nishiwaji 3-chome, Higashiyodogawa-ku

Address (line 2)

Address (line 3) Osaka Japan Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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CONTINUATION
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Conveying Party(ies)

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Execution Date
Month Day Year

Name (line 1) Ono, Masayuki

06221999

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

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Application Number(s) or Patent Number(s)

Mark if additional numbers attached

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)

Correspondent Name and Address

Area Code and Telephone Number (215) 979-1264

Name William H. Murray, Esquire

Address (line 1) Duane, Morris & Heckscher LLP

Address (line 2) 4200 One Liberty Place

Address (line 3) Philadelphia, PA 19103-7396

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. # 2

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Patent Application Number(s)

Patent Number(s)

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
06 22 1999

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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Number of Properties

Enter the total number of properties involved. # 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 04-1679

Authorization to charge additional fees: Yes No

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.

William H. Murray, Esquire

6/30/99

Name of Person Signing

Signature

Date

A S S I G N M E N T

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, Tetsuro Ikeda of Osaka, Japan; Takeshi Morimoto of Kobe, Japan; and Masayuki Ono of Toyonaka-shi, Osaka-fu, Japan;

Hereby sell, assign and transfer to SANSHA ELECTRIC MANUFACTURING COMPANY, LIMITED, a corporation organized under the laws of Japan, having a place of business at 1-56, Nishiawaji 3-chome, Higashiyodogawa-ku, Osaka, Japan, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled

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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that the Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this assignment, patent or patent application and any patent issuing thereon.

Date: June 22, 1999

Tetsuro Ikeda
Tetsuro Ikeda

Date: June 22, 1999

T Morimoto
Takeshi Morimoto

Date: June 22, 1999

Masayuki Ono
Masayuki Ono