



06-19-2003

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Form PTO-1595 (modified) (Rev. 03/01) OME No. 0651-0027		REF				T		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
		102477836							
To the Director of the U.S. Patent and Trademark Office. Please record original documents or copy thereof.									
1. Name of conveying party(ies): Hidehiro SOGA Kenji NAKAO Kouichi OJIMA Yuji BANDO Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					2. Name and address of receiving party(ies): MITSUBISHI DENKI KABUSHIKI KAISHA 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: May 20, 2003, May 21, 2003, May 20, 2003 and May 21, 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: May 20, 2003, May 21, 2003, May 20, 2003 and May 21, 2003 A. Patent Application No.(s) Not yet assigned					B. Patent No.(s) Not yet assigned Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC WASHINGTON OFFICE  23373 PATENT TRADEMARK OFFICE					6. Total number of applications and patents involved: 1				
					7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed. <input type="checkbox"/> Authorized to be charged to Deposit Account No. 19-4880. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.				
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9. Statement and signature. <i>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.</i> Alan J. Kasper _____ June 12, 2003 Reg. No. 25,426 _____ Date									
Total number of pages including cover sheet, attachments, and documents: 2									
Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450									

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PATENT
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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Hidehiro SOGA, Kenji NAKAO, Kouichi OJIMA and Yuji BANDO hereby sells, assigns and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled ELECTROMAGNETIC VALVE which was executed by the undersigned on the dates indicated below or was filed on _____ and accorded Serial No. _____ (hereinafter called the Application);
- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S):

(Hidehiro SOGA)	<u>Hidehiro Soga</u>
(Kenji NAKAO)	<u>Kenji Nakao</u>
(Kouichi OJIMA)	<u>Kouichi Ojima</u>
(Yuji BANDO)	<u>Yuji Bando</u>

DATE

<u>May 20, 2003</u>
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