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## ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

<sub>Name:</sub> Kenichi Aoshima, Hitoshi Kanai Address:Each having the same address as: c/o FUJITSU LIMITED,

c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan

hereby assigns, transfers and sets over to:

Name: FUJITSU LIMITED <sup>Address:</sup> 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as: MAGNETO-RESISTIVE HEAD AND MAGNETIC RECORDING AND REPRODUCING APPARATUS

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_; or

(b) filed on \_\_\_\_\_\_, Serial No. \_\_/\_\_\_\_\_;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

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Date	November 1, 1999	Signature of inventor	Nemcli Aostimon	Kenichi Aoshima
Date	November 1, 1999	Signature of inventor	Hitoshi kanar	Hitoshi Kanai
Date	<del></del>	Signature of inventor		
Date	<u></u>	Signature of inventor		
Date		Signature of inventor		
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**RECORDED: 11/10/1999**