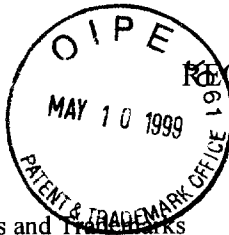


05-21-1999



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PATENTS ONLY

Our Ref.: 1417-267

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

MRD 5-10-99

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Takanori Doi Mitsuru Matsuura Kousaku Tamari Setsuo Yamamoto Yasuo Kakiyara Kenichi Nakata</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 4/12/99, 4/12/99, 4/12/99, 4/12/99, 4/20/99 and 4/20/99, respectively</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Toda Kogyo Corporation</u> Internal Address: _____ Street Address: <u>7-1, Yokogawa-Shinmachi, Nishi-ku,</u> <u>Hiroshima-shi</u></p> <p>City: <u>Hiroshima-ken</u> State/Country: <u>Japan</u> Zip: _____</p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>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: <u>N/A</u></p> <table border="0"><tr><td style="vertical-align: top;"><p>A. Patent Application No(s). (1) <u>09/272,622</u> (2) _____ (3) _____</p></td><td style="vertical-align: top;"><p>B. _____ (1) _____ (2) _____ (3) _____</p></td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>A. Patent Application No(s). (1) <u>09/272,622</u> (2) _____ (3) _____</p>	<p>B. _____ (1) _____ (2) _____ (3) _____</p>
<p>A. Patent Application No(s). (1) <u>09/272,622</u> (2) _____ (3) _____</p>	<p>B. _____ (1) _____ (2) _____ (3) _____</p>		

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Arthur R. Crawford</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u></p> <p>City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. <u>14-1140</u>.</p>
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DO NOT USE THIS SPACE

<p>9. Statements 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.</p> <table border="0"><tr><td style="text-align: center;"><u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327</td><td style="text-align: center;"> Signature</td><td style="text-align: center;"><u>May 10, 1999</u> Date</td></tr></table> <p>Total number of pages including original cover sheet, attachments, and document: [3]</p>			<u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327	 Signature	<u>May 10, 1999</u> Date
<u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327	 Signature	<u>May 10, 1999</u> Date			

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ASSIGNMENT OF PATENT APPLICATION

(Inventors) (Takanori DOI
(Kousaku TAMARI
(Yasuo KAKIHARA
(Kenichi NAKATA
(Mitsuru MATSUURA
(Setsuo YAMAMOTO

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (**TODA KOGYO CORPORATION**

(Address) (of 7-1, Yokogawa-Shinmachi, Nishi-ku, Hiroshima-shi, Hiroshima-ken, Japan

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as

(Title) **MAGNETIC RECORDING MEDIUM AND PROCESS FOR PRODUCING THE SAME**

(Case No. 1417-267)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(on or has already filed in

(U.S. appln. Serial No. 09/272,622 , filed on **March 19, 1999**

(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 12 Apr/ 1999 Signature of inventor (Takanori Doi)

Date 1999 / 04 / 12 Signature of inventor (Kousaku Tamari)

Date 1999 / 04 / 12 Signature of inventor (Jasuo Kakihara)

Date 1999 / 04 / 12 Signature of inventor (Kenichi Nakata)

Date 1999 / 04 / 20 Signature of inventor (Mitsuru Matsume)

Date 1999/06/20 Signature of inventor (Setaro Yamamoto)

Witnessed b y: _____ Date _____

Witnessed b y: _____ Date _____

Witnessed b y: _____ Date _____

Witnessed b y: _____ Date _____

Witnessed b y: _____ Date _____

Witnessed b y: _____ Date _____