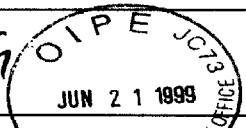



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|---|---|--|---|--|---|
| <p><i>6-23-99</i></p> <p style="text-align: center;">  </p> | <p>RE 06-23-1999</p> <p style="text-align: center;">  </p> <p style="font-size: 1.2em;">101072600</p> | <p style="text-align: right;"><i>DP</i></p> <p>EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office</p> <p style="text-align: right;">15162/00480</p> | | | |
| <p>To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce, Patent and Trademark Office, Washington, D.C. 20503</p> | | | | | |
| <p>1. Name of conveying party(ies):</p> <p style="text-align: center;">Hideo HOTOMI, Kusunoki HIGASHINO, Masaki ASANO, and Yasuhisa FUJII</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. Name and Address of receiving party(ies):</p> <p>Name: MINOLTA CO., LTD</p> <p>Internal Address:</p> <p>Street Address: Osaka Kokusai Building, 3-13, 2-Chome Azucki-machi, Chuo-Ku</p> <p>City: Osaka-shi Prefecture: Osaka Country: JAPAN ZIP: 541-8556</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | | | | |
| <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date(s): <u>May 27, 1999, May 27, 1999, May 27, 1999, and June 1, 1999, respectively</u></p> | | | | | |
| <p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>A. Patent Application No.(s)</p> <p style="text-align: center;">09/295,644</p> </td> <td style="width: 50%; vertical-align: top;"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | | | <p>A. Patent Application No.(s)</p> <p style="text-align: center;">09/295,644</p> | <p>B. Patent No.(s)</p> | |
| <p>A. Patent Application No.(s)</p> <p style="text-align: center;">09/295,644</p> | <p>B. Patent No.(s)</p> | | | | |
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: SIDLEY & AUSTIN</p> <p>Internal Address: Attn: James W. Williams</p> <p>Street Address: 717 North Harwood Suite 3400</p> <p>City: Dallas State: TX ZIP: 75201-6507</p> | <p>6. Total Number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: _____</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p> | | | | |
| <p>DO NOT USE THIS SPACE</p> | | | | | |
| <p>9. Statement and signature:</p> <p>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 style="width: 100%;"> <tr> <td style="width: 40%;"> <p><u>James W. Williams</u></p> <p>Name of Person Signing</p> </td> <td style="width: 30%; text-align: center;"> <p><i>James W. Williams</i></p> <p>Signature</p> </td> <td style="width: 30%; text-align: right;"> <p><u>June 18, 1999</u></p> <p>Date</p> </td> </tr> </table> <p>06/23/1999 KTHAI1 00000017 09295644 01 FC:581 40.00 DP</p> <p style="text-align: right;">Total number of pages including cover sheet <u>3</u></p> | | | <p><u>James W. Williams</u></p> <p>Name of Person Signing</p> | <p><i>James W. Williams</i></p> <p>Signature</p> | <p><u>June 18, 1999</u></p> <p>Date</p> |
| <p><u>James W. Williams</u></p> <p>Name of Person Signing</p> | <p><i>James W. Williams</i></p> <p>Signature</p> | <p><u>June 18, 1999</u></p> <p>Date</p> | | | |
| <p>OMB No. 0651-0011 (exp. 4/94)</p> <hr/> <p style="text-align: center;">Do not detach this portion</p> <p>Mail documents to be recorded with required cover sheet information to:</p> <p style="text-align: center;"> Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231 </p> <p>Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.</p> | | | | | |

ASSIGNMENT

In consideration of the sum of One Dollar (U.S. \$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Hideo HOTOMI, Kusunoki HIGASHINO, Masaki ASANO, and
Yasuhisa FUJII

hereby sells, assigns and transfers to MINOLTA CO., LTD., a corporation duly organized under the laws of Japan, and having a place of business at Osaka Kokusai Building, 3-13, 2-Chome Azuchi-Machi, Chuo-Ku, Osaka-Shi, Osaka, Japan, (hereinafter called Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

INK JET RECORDING APPARATUS AND DRIVE UNIT AND METHOD FOR
INK JET HEAD

which application was filed by the undersigned on April 20, 1999
_____ and accorded serial no. 09/295,644,

including said application and any and all divisions, continuations, and substitutes thereof and any and all United States Letters Patents which may be granted therefor and any and all extensions, reissues, renewals or reexaminations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents 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, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed this 27th day of May, 1999.

Hideo Hotomi

Hideo HOTOMI

Signed this 27th day of May, 1999.

Kusunoki Higashino

Kusunoki HIGASHINO

Signed this 27th day of May, 1999.

Masaki Asano

Masaki ASANO

Jun. 1, 1999
Y.F. Signed this 1st day of June, 1999.

Yasuhisa Fujii

Yasuhisa FUJII