

RECORDATION FORM COVER SHEET  
PATENT

**M20 3-1-99**

**03-04-1999**

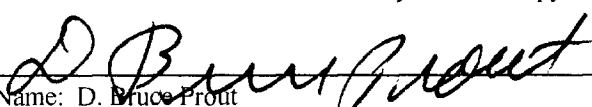
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**100976306**

<p><b>1. Name of conveying party(ies):</b> Tetsuya MIYAZAKI; Tomohiro OTANI; Masatoshi SUZUKI; Noboru EDAGAWA; and Shu YAMAMOTO</p> <p>Additional name(s) of conveying party(ies) attached: <b>No</b></p>	<p><b>2. Name and address of receiving party(ies):</b> Name: <b>KDD Corporation</b> Street Address: <b>3-2, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, Japan</b></p>		
<p><b>3. Name of conveyance:</b></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: <b>January 25, 1999, January 25, 1999, January 25, 1999, January 26, 1999, and February 1, 1999, respectively.</b></p>	<p>Additional name(s) &amp; address(es) attached? <b>No</b></p>		
<p><b>4. Application number(s) or patent number(s):</b></p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <table border="0"> <tr> <td data-bbox="103 966 776 1113"> <p><b>A. Patent Application No.(s)</b> 09/246,256</p> </td> <td data-bbox="776 966 1602 1113"> <p><b>B. Patent No.(s)</b></p> </td> </tr> </table> <p style="text-align: center;">Additional numbers attached? <b>No</b></p>		<p><b>A. Patent Application No.(s)</b> 09/246,256</p>	<p><b>B. Patent No.(s)</b></p>
<p><b>A. Patent Application No.(s)</b> 09/246,256</p>	<p><b>B. Patent No.(s)</b></p>		
<p><b>5. Please return the recorded document and address all correspondence to:</b></p> <p><b>CHRISTIE, PARKER &amp; HALE, LLP</b> P.O. Box 7068 Pasadena, CA 91109-7068</p> <p>Attention: <b>D. Bruce Prout</b></p>	<p><b>6. Total number of applications and patents involved.....</b> <span style="border: 1px solid black; padding: 2px;">1</span></p> <p><b>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41):</b>      \$ <b>40.00</b> <b>E</b></p> <p><b>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</b></p>		
<p><b>10. <input type="checkbox"/> Explanatory letter is enclosed.</b></p>			
<p><b>9. Statement and signature.</b> 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> <p>Date: February 23, 1999</p> <p>By <u></u> Name: D. Bruce Prout 626/795-9900</p> <p><b>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 ON</b></p>			
<p><b>03/03/1999 JMWTKINS 00000287 09246256</b></p> <p><b>01 FC:581</b>      <b>40.00 OP</b></p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">2</span></p>			

DBP/sfc

DIP PAS173384 1-\*2/23/99 2:41 pm

### ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Tetsuya MIYAZAKI; Tomohiro OTANI; Masatoshi SUZUKI; Noboru EDAGAWA; and Shu YAMAMOTO

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) KDD Corporation having a place of business at

(3) 3-2, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, 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

(4) OPTICAL DIGITAL REGENERATOR

which application was:

(a) executed by the undersigned on (5a) \_\_\_\_\_

(b) filed on (5b) February 8, 1999  
and assigned Application No. 09/246,256

including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further 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 patent protection as provided herein.

DATE:

25 January 1999

25 Jan, 1999

25 Jan, 1999

26 Jan 1999

1 February, 1999

INVENTORS:

Tetsuya Miyazaki

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