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Our Ref.: 2589-35

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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Atsushi MAEHARA Akiteru DEGUCHI Hitoshi AZUMA</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><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: <u>December 19, 2005 (all)</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>(1) Name: Sharp Kabushiki Kaisha Street Address: 22-22, Nagaike-cho, Abeno-ku City: Osaka-shi, Osaka State/Country: Japan      Zip: 545-8522</p> <p>(2) Name: Street Address: City: State/Country:      Zip:</p> <p>Additional name/s &amp; 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): <input checked="" type="checkbox"/> This assignment is being filed together with a new application.</p> <p>A. Patent Application No(s). (1) Unknown (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>H. Warren Burnam, Jr.</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Nixon &amp; Vanderhye P.C.</u> <u>901 North Glebe Road</u> <u>11th Floor</u></p> <p>City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22203</u></p>	<p>6. Total number of applications &amp; 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 #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> 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 <b>Account No. 14-1140.</b></p>
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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.

H. Warren Burnam, Jr.      *H. Warren Burnam, Jr.*      January 11, 2006  
Name of Person Signing      Signature      Date  
Reg. No. 29,366

Total number of pages including **original** cover sheet, attachments, and document: [3]

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date Dec. 19, 2005 Signature of inventor Atsushi Maehara  
Atsushi MAEHARA

Date Dec. 19, 2005 Signature of inventor Akiteru Deguchi  
Akiteru DEGUCHI

Date Dec. 19, 2005 Signature of inventor Hitoshi Azuma  
Hitoshi AZUMA