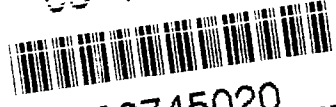


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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/200)

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22278 U.S. PTO 10/841008 050704

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

<p>1. Name of conveying party(ies): <u>5-7-84</u> Sاتفومي KINEI</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: <u>SHARP KABUSHIKI KAISHA</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>22-22, Nagaike-cho, Abeno-ku,</u></p> <p>City: <u>Osaka</u></p> <p>Country: <u>JP</u> Zip: <u>545-0013</u></p> <p>Additional name(s) &amp; 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</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>April 26, 2004</u></p>			
<p>4. Application number(s) or patent number(s): <u>10841008</u></p> <p>If this document is being filed together with a new application, the execution date of the new application is: <u>June 11, 2003</u></p> <p>A. Patent Application No.(s): _____ B. Patent No.(s): _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Thomas E. Ciotti</u> <u>MORRISON &amp; FOERSTER LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: 275412002200</u></p> <p>Street Address: <u>755 Page Mill Road</u></p> <p>City: <u>Palo Alto</u> State: <u>CA</u> Zip: <u>94304</u></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 type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p><input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed)</p> <p>8. Deposit account number: <u>03-1952</u> <small>(Attach duplicate copy of this page if paying by deposit account)</small></p>	
<b>DO NOT USE THIS SPACE</b>			
<p>9. Statement and signature.</p> <p><i>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.</i></p> <p><u>Thomas E. Ciotti - 21,013</u> <u>Thomas E. Ciotti</u> <u>May 7, 2004</u> Name of Person Signing Signature Date</p> <p>Total number of pages including cover sheet, attachments, and documents: <u>3</u></p>			

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PA-884177

PATENT REEL: 015319 FRAME: 0680

ASSIGNMENT

WHEREAS, the Assignor, comprising the following named inventor(s)

1. Satofumi KINEI

2.

3.

4.

5.

has invented and owns a certain invention entitled

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for which application for Letters Patent of the United States

was executed on even date herewith, and

was filed on \_\_\_\_\_ as U.S. Application Serial No. \_\_\_\_\_, and

WHEREAS, the Assignee:

SHARP KABUSHIKI KAISHA

of 22-22; Nagaike-cho; Abeno-ku; Osaka; Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this 26 th day of April, 2004.

- 1. (Satofumi KINEI) Satofumi Kinei
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_