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PATENTS ONLY

Our Ref.: 790-1364

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

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

<p>1. Name of conveying party(ies): MAKOTO TAKIMOTO</p> <p style="text-align: center;">01.31.03</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: January 20, 2003</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: SHARP KABUSHIKI KAISHA Internal Address: Street Address: 22-22, Nagaike-cho, Abeno-ku</p> <p>City: Osaka State/Country: Japan 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): If this document is being filed together with a new application, the execution date of the application is: January 20, 2003</p> <table border="0"><tr><td style="vertical-align: top;"><p>A. Patent Application No(s). 29175171</p><p>(1) Unassigned (2) (3)</p></td><td style="vertical-align: top;"><p>B. Patent No(s). 29175171</p><p>(1) (2) (3)</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). 29175171</p> <p>(1) Unassigned (2) (3)</p>	<p>B. Patent No(s). 29175171</p> <p>(1) (2) (3)</p>
<p>A. Patent Application No(s). 29175171</p> <p>(1) Unassigned (2) (3)</p>	<p>B. Patent No(s). 29175171</p> <p>(1) (2) (3)</p>		

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Richard G. Besha</p> <p>Internal Address:</p> <p>Street Address: Nixon &amp; Vanderhye P.C. 1100 North Glebe Road 8<sup>th</sup> Floor</p> <p>City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <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. 14-1140.</p>
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<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;">Richard G. Besha</td><td style="text-align: center;">_____ Signature</td><td style="text-align: center;">January 31, 2003 Date</td></tr><tr><td style="text-align: center;">Name of Person Signing Reg. No. 22,770</td><td></td><td></td></tr></table> <p style="text-align: right;">Total number of pages including <b>original</b> cover sheet, attachments, and document: [3]</p>			Richard G. Besha	_____ Signature	January 31, 2003 Date	Name of Person Signing Reg. No. 22,770		
Richard G. Besha	_____ Signature	January 31, 2003 Date						
Name of Person Signing Reg. No. 22,770								

02/03/2003 MBELETE1 00000031 29175171

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**ASSIGNMENT FOR PATENT APPLICATION**  
**(U.S. Rights Only)**

WHEREAS, MAKOTO TAKIMOTO, (hereinafter ASSIGNOR) of 606-76, Sanjo-cho, Nara-shi, Nara-ken 630-8244, Japan has made an invention entitled WIRELESS INTERNET GATEWAY for which a so-entitled application for Letters Patent of the United States, is being concurrently executed;

WHEREAS, SHARP KABUSHIKI KAISHA (hereinafter ASSIGNEE), a corporation of the Country of Japan, having an office and place of business at 22-22, Nagaikicho, Abeno-ku, Osaka, Japan is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America as defined in 35 U.S.C. § 100, in and to the invention as described in the aforesaid application and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademark to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that

ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; and

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

AGREED and executed as noted below:

<u>January 20, 2003</u>	<u>Maikoto Takimoto</u>
Date	MAKOTO TAKIMOTO

Witnessed by:

Name: <u>K. Takahashi</u>	Date: <u>January 23, 2003</u>
Name: <u>Kon Sugiyama</u>	Date: <u>January 23, 2003</u>