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FORM PTO-1595
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: NEG-93US

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

<p>1. Name of conveying party(ies): Katsuhiro OOTSUKA</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <hr/> <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: April 12, 1999</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: NEC Corporation Internal Address:</p> <p>Street Address: 7-1, Shiba 5-chome, Minato-ku City: Tokyo Country: Japan</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
<p>4. Application number(s) or patent number(s): Title: SCROLLING SYSTEM OF A DISPLAY IMAGE</p> <p style="text-align: right; font-size: 1.2em;">09291310</p> <p>If this document is being filed together with a new application, the execution date of the application is <u>April 12, 1999</u></p> <p>A. Patent Application No(s). B. Patent No.</p> <p style="text-align: center;">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>Michael E. Whitham Whitham, Curtis & Whitham Reston International Center 11800 Sunrise Valley Drive Suite 900 Reston, Virginia 20191</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: 23-1951 (WHITHAM, CURTIS & WHITHAM)</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> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <p><u>Michael E. Whitham</u> Name of Person Signing</p> </div> <div style="width: 30%; text-align: center;"> Signature </div> <div style="width: 30%; text-align: right;"> <p><u>April 15, 1999</u> Date</p> </div> </div> <p style="text-align: right;">Total number of pages including cover sheet: <u>3</u></p>	

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**ASSIGNMENT FOR UNFILED APPLICATION FOR UNITED STATES
PATENT**

(Sole or Joint Inventors)

WHEREAS:

FULL NAME(S) AND
POST OFFICE ADDRESS(S)
OF INVENTOR(S) (including
country)

Katsuhiko OOTSUKA

of Tokyo, Japan

(hereinafter referred to as ASSIGNOR), have invented and
own a certain invention entitled:

TITLE OF
INVENTION

Scrolling System of a Display Image

for which application for Letters Patent of the United States
has been executed on even date herewith,

FULL NAME AND
ADDRESS (including country)
OF ASSIGNEE

WHEREAS: NEC Corporation
7-1, Shiba 5-chome, Minato-ku,
Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:
Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of 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 in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or

(Assignment for Unfiled Application for United States Patent—page 1 of 2)

any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or 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 and legal equivalents in foreign countries 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, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand

and seal this 1999 April 12

(Date of Signing)

Warning

DATE OF SIGNING:

This must be the same as the date of signing of the declaration and power of the patent or design application.

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

Katsuhiro Ootsuka
(Signature) Katsuhiro OOTSUKA



(Signature)

(Signature)

Witness:

Takeshi Matsuo

Atsuo Otsuka

Instruction
sheet for
assignment
Signing

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed.

No witnessing or legalization is necessary. However, if this assignment is legalized then it will only be prime facie evidence of the execution of the assignment.

(Assignment for Unfiled Application for United States Patent—page 2 of 2)