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<table>
<thead>
<tr>
<th>1. Name of conveying party(ies):</th>
<th>2. Name and address of receiving party(ies):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shunichi NUMAZAKI 4. Naoko UMEKI</td>
<td>Name: KABUSHIKI KAISHA TOSHIBA</td>
</tr>
<tr>
<td>Miwako DOI 5. Hiroki MIURA</td>
<td>Address: 72, Horikawa-cho, Saiwai-ku,</td>
</tr>
<tr>
<td>Akira MORISHITA</td>
<td>Kawasaki-shi, Kanagawa-ken, JAPAN</td>
</tr>
</tbody>
</table>

☐ Yes ☒ No

3. Nature of Conveyance:
   - Assignment ☒
   - Merger ☐
   - Security Agreement ☐
   - Change of Name ☐
   - Other _____________________________

Execution Date: April 16, 1998

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:

A. Patent Application No.(s) 08/953,667

B. Patent No.(s) ________________________________

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
Attorneys at Law
Fourth Floor
1755 Jefferson Davis Highway
Arlington, Virginia 22202

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):...
   - $ 40.00
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Marvin J. Spivak
Name of Person Signing Registration No. 24,913

Signature __________________________ Date __________

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PATENT
REEL: 9198 FRAME: 0458
Assignment Of Application

WHEREAS, I (WE)

Shunichi NUMAZAKI of Kanagawa, Japan;

Miwako DOI of Kanagawa, Japan;

Akira MORISHITA of Tokyo, Japan;

Naoko UMEKI of Kanagawa, Japan;

Hiroki MIURA of Kanagawa, Japan;

have invented certain new and useful improvements in: METHOD AND APPARATUS FOR GENERATING INFORMATION INPUT USING REFLECTED LIGHT IMAGE OF TARGET OBJECT for which an application for Letters Patent was executed on 08/953,667 October 17, 1997 (Application No. _________________, filed _________________), and

WHEREAS, KABUSHIKI KAISHA TOSHIBA

(hereinafter referred to as "ASSIGNEE") having a place of business at 72, Horikawa-cho,

Seiwa-ku, Kawasaki-shi, Kanagawa-ken, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

April 16, 1998
Date: ____________________________
Shunichi Numazaki
(Degner of Inventor)

April 16, 1998
Date: ____________________________
Miwako Doi
(Degner of Inventor)

April 16, 1998
Date: ____________________________
Akira Morishita
(Degner of Inventor)

April 16, 1998
Date: ____________________________
Naoko Umeki
(Degner of Inventor)

April 16, 1998
Date: ____________________________
Hiroki Miura
(Degner of Inventor)

April 16, 1998
Date: ____________________________

April 16, 1998
Date: ____________________________

April 16, 1998
Date: ____________________________

April 16, 1998
Date: ____________________________

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202

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