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Yukinobu SUZUKI, Takashi ISHIGAMI, Yasuo KOHSAKA,
Naomi FUJIOKA, Takashi WATANABE, Koichi WATANABE
and Kenya SANO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

August 29, 29, September 5,
August 29, 29 and September 4,
2002

Execution Date: 2002

2. Name of

102409572

Name: KABUSHIKI KAISHA TOSHIBA

Address: 1-1, Shibaura 1-chome, Minato-ku,
Tokyo 105-8001 Japan

Additional name(s) and address(es) attached? ☐ Yes ☒ No

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)

10/257,404

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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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.

Norman F. Oblon

Name of Person Signing

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PATENT
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DT12 Rec'd PCT/PTO 21 OCT 2002

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1. Name of conveying party(ies):

10/21/02
1) Yukinobu SUZUKI 4) Naomi FUJIOKA 7) Kenya SANO
2) Takashi ISHIGAMI 5) Takashi WATANABE
3) Yasuo KOHSAKA 6) Koichi WATANABE

2. Name and address of receiving party(ies):

Name: Kabushiki Kaisha Toshiba

Address: 1-1, Shibaura 1-chome, Minato-ku,
Tokyo 105-8001 JapanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: August 29, 2002; August 29, 2002;
August 29, 2002; September 5, 2002; August 29, 2002; August 29,
2002; September 4, 2002Additional name(s) and address(es) attached? ☐ Yes ☒ No

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: August 29, 2002,
September 4, 2002, and
September 5, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
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Norman F. Oblon

Name of Person Signing

Signature

Date

Registration Number: 24,618

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REEL: 013908 FRAME: 0551

WHEREAS, I (WE) (1) Yukinobu SUZUKI, (2) Takashi ISHIGAMI,

(3) Yasuo KOHSAKA, (4) Naomi FUJIOKA, (5) Takashi WATANABE,

(6) Koichi WATANABE, and (7) Kenya SANO of:

(1) 8-25-C201, Nakaze, Samukawa-machi, Koza-gun, Kanagawa 253-0112 Japan;

(2) 303-1-2-713, Katsura-cho, Sakae-ku, Yokohama-shi, Kanagawa 247-0005 Japan;

(3) 3-168-1-501, Sengen-cho, Nishi-ku, Yokohama-shi, Kanagawa 220-0072 Japan;

(4) 4-3-11-402, Minamikurihara, Zama-shi, Kanagawa 228-0015 Japan;

(5) 2-8-2-C510, Shiomidai, Isogo-ku, Yokohama-shi, Kanagawa 235-0022 Japan;

(6) 782-1-101, Futoo-cho, Kohoku-ku, Yokohama-shi, Kanagawa 220-0031 Japan;

and (7) 87-243, Furukawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0025 Japan

_____, respectively,

have invented certain new and useful improvements in: SPUTTER TARGET, BARRIER
FILM AND ELECTRONIC COMPONENT

for which an application for Letters Patent was executed on August 29, 2002, September 4, 2002,
and September 5, 2002, respectively,
(Application No. _____, filed _____), and

WHEREAS, KABUSHIKI KAISHA TOSHIBA

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura

1-chome, Minato-ku, Tokyo 105-8001 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.

Date: <u>August 29 2002</u>	<u>Yukinobu Suzuki</u> (Signature of Inventor) Yukinobu SUZUKI
Date: <u>August 29 2002</u>	<u>Takashi Ishigami</u> (Signature of Inventor) Takashi ISHIGAMI
Date: <u>August 29 2002</u>	<u>Yasuo Kohsaka</u> (Signature of Inventor) Yasuo KOHSAKA
Date: <u>Sep. 5. 2002</u>	<u>Naomi Fujioka</u> (Signature of Inventor) Naomi FUJIOKA
Date: <u>Aug. 29. 2002</u>	<u>Takashi Watanabe</u> (Signature of Inventor) Takashi WATANABE
Date: <u>Aug. 29. 2002</u>	<u>Koichi Watanabe</u> (Signature of Inventor) Koichi WATANABE
Date: <u>Sep. 4. 2002</u>	<u>Kenya Sano</u> (Signature of Inventor) Kenya SANO
Date: _____	_____ (Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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