

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shigehisa TODOKO	11/16/2009
Kenichi ITOH	11/09/2009
Tetsuo SHIBUTAMI	11/11/2009

RECEIVING PARTY DATA

Name:	TOSOH CORPORATION
Street Address:	4560, Kaisei-cho, Shunan-shi
City:	Yamaguchi
State/Country:	JAPAN
Postal Code:	746-8501

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12667151

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P37175
NAME OF SUBMITTER:	Stephen M. Roylance

Total Attachments: 4
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**PATENT
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ASSIGNMENT

WHEREAS, Shigehisa Todoko, a citizen of Japan, whose post office address is c/o Tosoh Corporation, 8-2, Shiba 3-chome, Mintao-ku, Tokyo 105-8623 Japan, Kenichi Itoh, a citizen of Japan, whose post office address is c/o Tosoh Corporation, Tokyo Research Center, 2743-1, Hayakawa, Ayase-shi, Kanagawa 252-1123 Japan, and Tetsuo Shibutami, a citizen of Japan, whose post office address is c/o Tosoh Corporation, Tokyo Research Center, 2743-1, Hayakawa, Ayase-shi, Kanagawa 252-1123 Japan hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

CYLINDRICAL SPUTTERING TARGET

for which they have jointly executed, on the same date as this assignment, an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, Andrew M. Calderon, Reg. No. 38,093, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 12/667,151, filed July 1, 2008) the filing date and application number of said application when known.

AND WHEREAS, TOSOH CORPORATION, a corporation organized and existing under the laws of the State of Japan, whose post-office address is 4560, Kaisei-cho, Shunan-shi, Yamaguchi 746-8501 Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and

prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by SHIGEHISA TODOKO, this 16 day of November 2009, at (address) c/o Tosoh Corporation, 8-2, Shiba 3-chome, Minato-ku, Tokyo 105-8623 Japan.

First Witness:

Masami Mesuda
(Name) Masami Mesuda

Nov. 20, 2009
(Date)

Shigehisa Todoko
SHIGEHISA TODOKO

Second Witness:

Kenji Omi
(Name) Kenji Omi

Nov. 25, 2009
(Date)

IN TESTIMONY WHEREOF, this assignment is executed by KENICHI ITOH, this 9
day of November 2009, at (address) c/o Tosoh Corporation, Tokyo Research
Center, 2743-1, Hayakawa, Ayase-shi, Kanagawa 252-1123 Japan,

First Witness:

Masami Mesuda
(Name) Masami Mesuda

Nov. 20, 2009
(Date)

Kenichi Itoh
KENICHI ITOH

Second Witness:

Kenji Omi
(Name) Kenji Omi

Nov. 25, 2009
(Date)

IN TESTIMONY WHEREOF, this assignment is executed by TETSUO SHIBUTAMI, this 11 day of November 2009, at (address) c/o Tosoh Corporation, Tokyo Research Center, 2743-1, Hayakawa, Ayase-shi, Kanagawa 252-1123 Japan,

First Witness:

Masami Mesuda

(Name) Masami Mesuda

Nov. 20, 2009

(Date)

Tetsuo Shibutami
TETSUO SHIBUTAMI

Second Witness:

Kenji Omi

(Name) Kenji Omi

Nov. 25, 2009

(Date)