

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroaki TAKECHI	11/04/2010
Norio TAKAHASHI	11/04/2010
Wataru KIYOSAWA	11/04/2010
Shigenao MARUYAMA	11/04/2010
Atsuki KOMIYA	11/04/2010

RECEIVING PARTY DATA

Name:	KELK Ltd.
Street Address:	3-25-1 Shinomiya,
City:	Hiratsuka-shi, Kanagawa
State/Country:	JAPAN
Postal Code:	254-8543

Name:	TOHOKU UNIVERSITY
Street Address:	2-1-1 Katahira, Aoba-ku,
City:	Sendai-shi, Miyagi
State/Country:	JAPAN
Postal Code:	980-8577

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12992971

CORRESPONDENCE DATA

Fax Number: (202)887-0357

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-659-2930

Email: rpelayo@kqhpatentlaw.com

Correspondent Name: Kratz, Quintos & Hanson, LLP

CH \$40.00 12992971

501363807

PATENT
REEL: 025433 FRAME: 0388

Address Line 1:	4th Floor
Address Line 2:	1420 K Street, N.W.
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	100303
-------------------------	--------

NAME OF SUBMITTER:	Mel R. Quintos
--------------------	----------------

Total Attachments: 1 source=100303 Assignment#page1.tif
--

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by
KELK Ltd. 3-25-1 Shinomiya, Hiratsuka-shi, Kanagawa 254-8543 Japan
TOHOKU UNIVERSITY 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan

(Insert ASSIGNEE's
Name(s) Address(es))

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned
ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title
and interest to the invention entitled:

(Title of Invention)

APPARATUS AND METHOD FOR CONTROLLING TEMPERATURE OF
SEMICONDUCTOR WAFERS

(*If the assignment is
being filed after the
filing of the
application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith
unless otherwise indicated below:

November 16, 2010
* filed on _____, Serial No. 12/992,971

(Kratz, Quintos & Hanson, LLP is hereby authorized to insert the serial code, serial number and/or
filing date hereon, when known)

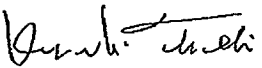
and all Letters Patent of the United States to be obtained therefore on said application or any
continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for
which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any
continuation, divisional, reissue or reexamination applications thereof and also to execute separate
assignments in connection with such applications as the ASSIGNEE may deem necessary or
expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference,
litigation, or other legal proceeding which may be declared concerning this application or any
continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued
thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing
evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)


(Signature)

Hiroaki TAKECHI
(Type Name)

November 4, 2010
(Date)

Norio Takahashi
(Signature)

Norio TAKAHASHI
(Type Name)

November 4, 2010
(Date)

Wataru Kiyosawa
(Signature)

Wataru KIYOSAWA
(Type Name)

November 4, 2010
(Date)

Shigenao Maruyama
(Signature)

Shigenao MARUYAMA
(Type Name)

November 4, 2010
(Date)

小宮 敦樹
(Signature)

Atsuki KOMIYA
(Type Name)

November 4, 2010
(Date)

(Signature)

(Type Name)

(Date)

NO LEGALIZATION REQUIRED

Re. 07/07