

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masami Shibagaki</td> <td>06/13/2012</td> </tr> <tr> <td>Kaori Mashimo</td> <td>05/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masami Shibagaki	06/13/2012	Kaori Mashimo	05/31/2012
Name	Execution Date						
Masami Shibagaki	06/13/2012						
Kaori Mashimo	05/31/2012						
RECEIVING PARTY DATA							
Name:	Canon Anelva Corporation						
Street Address:	5-1 Kurigi 2-chome, Asao-ku						
City:	Kawasaki-shi						
State/Country:	JAPAN						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13511092</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13511092		
Property Type	Number						
Application Number:	13511092						
CORRESPONDENCE DATA							
Fax Number:	(212)218-2200						
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NAME OF SUBMITTER:	Jason M. Okun						
Total Attachments: 1 source=ASSIGN03507003600#page1.tif							

CH \$40.00 13511092

**ASSIGNMENT**

FOR VALUE RECEIVED, WE Masami SHIBAGAKI and Kaori MASHIMO

citizens of Japan

hereby sell, assign, transfer and convey unto CANON ANELVA CORPORATION

a corporation of Japan

having a place of business at 5-1, Kurigi 2-chome, Asao-ku, Kawasaki-shi, Kanagawa, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for all countries, in and to certain inventions relating to

**TEMPERATURE CONTROL METHOD FOR SUBSTRATE HEAT TREATMENT APPARATUS, SEMICONDUCTOR DEVICE MANUFACTURING METHOD, TEMPERATURE CONTROL PROGRAM FOR SUBSTRATE HEAT TREATMENT APPARATUS, AND RECORDING MEDIUM**

and described in an application for Letters Patent of the United States Application No. 13/511,092 filed as International Application No. PCT/JP2010/007397 on December 21, 2010, and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof,

AND Assignor hereby authorizes and requests the Commissioner for Patents of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND Assignor authorizes and empowers said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection ensuing from said application for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from Assignor.

AND Assignor hereby consents that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND Assignor hereby covenants that Assignor has the full right to convey the entire right, title and interest herein assigned and that Assignor has not executed and will not execute any agreement in conflict herewith.

AND Assignor hereby covenants and agrees that Assignor will communicate to said Assignee or nominees all facts known to Assignor pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, I hereunto set my hand:

Name

Signature

Date

Masami SHIBAGAKI

Masami ShibagakiJune 13, 2012

Kaori MASHIMO

Kaori MASHIMOMay 31, 2012