

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>01/17/2013</td> </tr> <tr> <td>Kaori Mashimo</td> <td>01/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Masami Shibagaki	01/17/2013	Kaori Mashimo	01/18/2013		
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RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Canon Anelva Corporation</td> </tr> <tr> <td>Street Address:</td> <td>5-1, Kurigi 2-chome, Asao-Ku</td> </tr> <tr> <td>City:</td> <td>Kawasaki-shi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Canon Anelva Corporation	Street Address:	5-1, Kurigi 2-chome, Asao-Ku	City:	Kawasaki-shi	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: 2122182200 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2122182100 Email: jokun@fchs.com Correspondent Name: Fitzpatrick, Cella, Harper & Scinto Address Line 1: 1290 Avenue of the Americas Address Line 4: New York, NEW YORK 10104</p>									
ATTORNEY DOCKET NUMBER:	03507.003700.								
NAME OF SUBMITTER:	Jason M. Okun								
<p>Total Attachments: 1 source=ASSGN03507003700#page1.tif</p>									

OP \$40.00 13808338

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

**SUBSTRATE HEAT TREATING APPARATUS, TEMPERATURE CONTROL
METHOD OF SUBSTRATE HEAT TREATING APPARATUS, MANUFACTURING
METHOD OF SEMICONDUCTOR DEVICE, TEMPERATURE CONTROL
PROGRAM OF SUBSTRATE HEAT TREATING APPARATUS, AND RECORDING
MEDIUM**

and described in an application for Letters Patent of the United States Application No. 13/808,338 filed as International Application No. PCT/JP2011/004390 on 3 August 2011, 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 Shibagaki

January 17, 2013

Kaori MASHIMO

Kaori MASHIMO

January 18, 2013