

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
John Holland	07/03/2007
RECEIVING PARTY DATA	
Name:	Applied Materials, Inc.
Street Address:	P. O. Box 450A
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11778019
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Applied Materials
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ATTORNEY DOCKET NUMBER:	11222/AGS/SPARES
NAME OF SUBMITTER:	Barbara Holt
Total Attachments: 2 source=11222 _2ndASG 092807#page1.tif source=11222 _2ndASG 092807#page2.tif	

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PATENT  
REEL: 019898 FRAME: 0191

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses  
of Inventors:

1)	Alexander Matyushkin a citizen of Israel, 597 King George Avenue San Jose, CA 95136;	2)	Dan Katz A citizen of U.S.A. 13920 Loquat Court Saratoga, CA 95070;
3)	John Holland a citizen of U.S.A., 1565 Calaveras Avenue San Jose, CA 95126;	4)	Theodoros Panagopoulos a citizen of Greece, 1556 Darlene Avenue San Jose, CA 95125; and
5)	Michael D. Willwerth A citizen of U.S.A. 3847 Rincon Avenue Campbell, CA 95008		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

*"SUBSTRATE PROCESSING WITH RAPID TEMPERATURE GRADIENT CONTROL"*☐ which is attached hereto☒ for which application for Letters Patent in the United States was filed on July 14, 2007, under Serial No. 11/778,019, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications

filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any

application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____	_____
	Date	Alexander Matyushkin
2)	_____	_____
	Date	Dan Katz
3)	7/3/07	_____
	Date	John Holland
4)	_____	_____
	Date	Theodoros Panagoupoulos
5)	_____	_____
	Date	Michael D. Willwerth