

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

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>John MacKay</td><td>10/24/2001</td></tr><tr><td>Tom Molinaro</td><td>10/24/2001</td></tr></tbody></table>		Name	Execution Date	John MacKay	10/24/2001	Tom Molinaro	10/24/2001				
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John MacKay	10/24/2001										
Tom Molinaro	10/24/2001										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>SphereTek, LLC</td></tr><tr><td>Street Address:</td><td>1206 E Mt. View Alvios Rd.</td></tr><tr><td>City:</td><td>Sunnyvale</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94089</td></tr></table>		Name:	SphereTek, LLC	Street Address:	1206 E Mt. View Alvios Rd.	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94089
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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>11925493</td></tr></tbody></table>		Property Type	Number	Application Number:	11925493						
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Application Number:	11925493										
CORRESPONDENCE DATA											
Fax Number: (949)943-8358 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email: sgeer@fishiplaw.com											
Correspondent Name: Robert D. Fish, Fish & Associates, PC											
Address Line 1: 2603 Main Street, Suite 1000											
Address Line 4: Irvine, CALIFORNIA 92614-4271											
ATTORNEY DOCKET NUMBER:	020602.0021US1										
NAME OF SUBMITTER:	Robert D. Fish										
Total Attachments: 2 source=Assignment (inventors to SphereTek)#page1.tif source=Assignment (inventors to SphereTek)#page2.tif											

CH \$40.00 11925493

501124190

PATENT  
REEL: 024107 FRAME: 0523

**ASSIGNMENT OF PATENT RIGHTS**

Inventor(s): MACKAY and MOLINARO

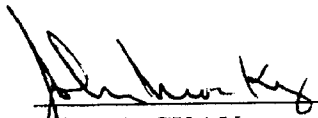
Title: BALL BUMPING SUBSTRATES, PARTICULARLY WAFERS

Serial Number: continuation-in-part of 09/273,517

Filing Date: on or about September 2001

I, John MACKAY, do hereby sell, assign and transfer to SphereTek, LLC, a California limited liability corporation, having a place of business at 1206E Mt. View Alviso Rd., Sunnyvale, CA 94089 ("assignee"), its successors and assigns, my entire right, title and interest throughout the world in the above-identified invention, for which I have filed the above-referenced United States patent application, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without any further authorization from me; and I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries.

*<sign in the presence of a Notary>*

  
John MACKAY

10-24-01  
date

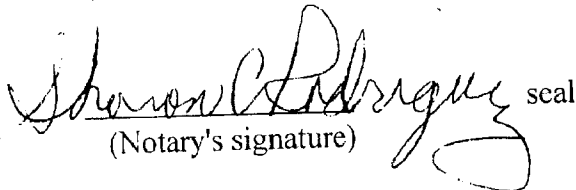
EXECUTED THIS 24 DAY OF October, 2001

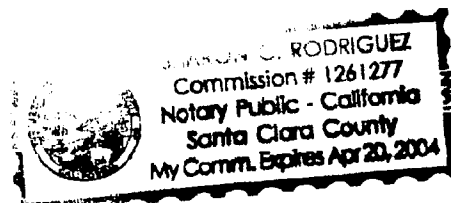
STATE OF California

COUNTY OF Santa Clara

THIS INSTRUMENT WAS SUBSCRIBED (EXECUTED) BEFORE ME THIS 24th DAY OF October, IN THE YEAR 2001, BY John MACKAY, WHO IS PERSONALLY KNOWN TO ME (OR WHO HAS PROVEN TO ME ON THE BASIS OF SATISFACTORY EVIDENCE) TO BE THE PERSON SUBSCRIBING THIS INSTRUMENT.

WITNESS MY HAND AND OFFICIAL SEAL.

 seal  
(Notary's signature)



## ASSIGNMENT OF PATENT RIGHTS

Inventor(s): MACKAY and MOLINARO

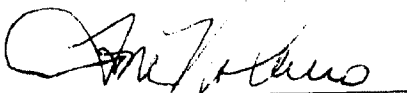
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&lt;sign in the presence of a Notary&gt;



Tom MOLINARO

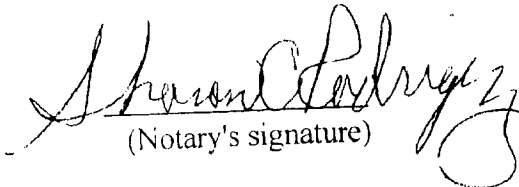
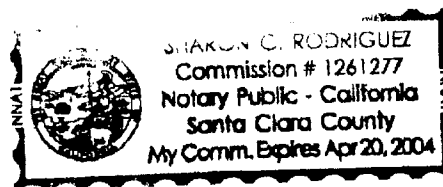
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PATENT

RECORDED: 01/10/2002  
RECORDED: 03/19/2010REEL: 0124107 FRAME: 0315  
REEL: 024107 FRAME: 0525