

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>Mani Hossein-Zadeh</td><td>05/09/2008</td></tr><tr><td>Kerry J. Vahala</td><td>05/09/2008</td></tr></tbody></table>	Name	Execution Date	Mani Hossein-Zadeh	05/09/2008	Kerry J. Vahala	05/09/2008							
Name	Execution Date												
Mani Hossein-Zadeh	05/09/2008												
Kerry J. Vahala	05/09/2008												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>California Institute of Technology</td></tr><tr><td>Street Address:</td><td>1200 East California Boulevard</td></tr><tr><td>Internal Address:</td><td>M/C 128-95</td></tr><tr><td>City:</td><td>Pasadena</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>91125</td></tr></table>	Name:	California Institute of Technology	Street Address:	1200 East California Boulevard	Internal Address:	M/C 128-95	City:	Pasadena	State/Country:	CALIFORNIA	Postal Code:	91125	
Name:	California Institute of Technology												
Street Address:	1200 East California Boulevard												
Internal Address:	M/C 128-95												
City:	Pasadena												
State/Country:	CALIFORNIA												
Postal Code:	91125												
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>12034895</td></tr></tbody></table>	Property Type	Number	Application Number:	12034895									
Property Type	Number												
Application Number:	12034895												
CORRESPONDENCE DATA													
Fax Number: (302)658-5614 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 302-888-6210													
Email: dmorse@cblh.com													
Correspondent Name: David M. Morse													
Address Line 1: 1007 North Orange Street													
Address Line 2: P.O. Box 2207													
Address Line 4: Wilmington, DELAWARE 19899-2207													
ATTORNEY DOCKET NUMBER:	70120-00011-US												
NAME OF SUBMITTER:	David M. Morse												
Total Attachments: 3 source=Assignment#page1.tif													

OP \$40.00 12034895

500537293

PATENT  
REEL: 020935 FRAME: 0027

source=Assignment#page2.tif  
source=Assignment#page3.tif

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Mani Hossein-Zadeh and Kerry J. Vahala (hereinafter referred to as Assignors), residing at 211 S. El Molini Avenue, Apartment #7, Pasadena, California 91101; and 1453 E. California Boulevard, Pasadena, California 91106, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in METHOD OF FABRICATING A MICRORESONATOR, set forth in a Patent application for Letters Patent of the United States, already filed on February 21, 2008 as U.S. Application No. 12/034,895; and

**WHEREAS**, CALIFORNIA INSTITUTE OF TECHNOLOGY, having its principal place of business at 1200 East California Boulevard, M/C 128-95, Pasadena, CA 91125 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

WITNESS my hand this 9 day of May, 2008,

*Manj Hossein Zadeh*  
MANI HOSSEIN ZADEH

WITNESS my hand this 9 day of May, 2008,

*Kerry J. Vafiala*  
KERRY J. VAFIALA