

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bradley P. Barber</td> <td>04/17/2008</td> </tr> <tr> <td>Frank Bi</td> <td>04/17/2008</td> </tr> <tr> <td>Craig E. Carpenter</td> <td>04/17/2008</td> </tr> </tbody> </table>		Name	Execution Date	Bradley P. Barber	04/17/2008	Frank Bi	04/17/2008	Craig E. Carpenter	04/17/2008
Name	Execution Date								
Bradley P. Barber	04/17/2008								
Frank Bi	04/17/2008								
Craig E. Carpenter	04/17/2008								
RECEIVING PARTY DATA									
Name:	Skyworks Solutions, Inc.								
Street Address:	20 Sylvan Road								
City:	Woburn								
State/Country:	MASSACHUSETTS								
Postal Code:	01801								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12150244</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12150244				
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Application Number:	12150244								
CORRESPONDENCE DATA									
Fax Number:	(949)282-1002								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	949-282-1000								
Email:	msweda@farjami.com								
Correspondent Name:	Michael Farjami								
Address Line 1:	26522 La Alameda Ave., Suite 360								
Address Line 4:	Mission Viejo, CALIFORNIA 92691								
ATTORNEY DOCKET NUMBER:	0140179								
NAME OF SUBMITTER:	Michael Farjami								
Total Attachments: 2 source=0140179 Assignment from Inventors to SKY for 12150244#page1.tif source=0140179 Assignment from Inventors to SKY for 12150244#page2.tif									

OP \$40.00 12150244

PATENT

ASSIGNMENT

WHEREAS, I/WE:

INVENTOR NAME	INVENTOR RESIDENCE ADDRESS
Bradley P. Barber	370 Main Street; Acton, MA 01720
Frank Bi	7 Lantern Lane; Shrewsbury, MA 01545
Craig E. Carpenter	13 Morse Circle; Shirley, MA 01464

have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled **Bulk Acoustic Wave Resonator with Reduced Energy Loss**, filed herewith, or filed on 4/24/2008, Serial No. 12/150,244, and identified by Docket No. 0140179 in the offices of FARJAMI & FARJAMI LLP;

AND WHEREAS SKYWORKS SOLUTIONS, INC., a Delaware corporation (hereinafter, together with any successors, legal representatives and assigns thereof, called "Assignee"), wants to acquire the entire right, title, and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/WE have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title, and interest in and to said improvements, and said application and all divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, inventor(s) certificates, and the like), heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all extensions, renewals, and reissues thereof) granted for said improvements in any foreign countries; and I/WE hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND I/WE HEREBY covenant that I/WE have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith;

AND I/WE HEREBY further covenant and agree that I/WE will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries;

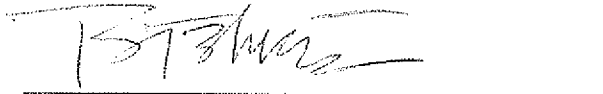
AND I/WE HEREBY authorize the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

IN TESTIMONY WHEREOF, I hereunto set my hand this 17th day of April, 2008


BRADLEY P. BARBER

*Kevin Beth Hamilton, Notary Public
My commission expires 2/4/11*

IN TESTIMONY WHEREOF, I hereunto set my hand this 17 day of April, 2008


FRANK BI

*Kevin Beth Hamilton, Notary Public
My commission expires 2/4/11*

IN TESTIMONY WHEREOF, I hereunto set my hand this 17th day of April, 2008


CRAIG E. CARPENTER

*Kevin Beth Hamilton, Notary Public
My commission expires 2/4/11*