

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Morteza Cyrus Afghahi</td> <td>03/21/2001</td> </tr> <tr> <td>Esin Terzioglu</td> <td>03/21/2001</td> </tr> </tbody> </table>		Name	Execution Date	Morteza Cyrus Afghahi	03/21/2001	Esin Terzioglu	03/21/2001				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Broadcom Corporation</td> </tr> <tr> <td>Street Address:</td> <td>5300 California Avenue</td> </tr> <tr> <td>City:</td> <td>Irvine</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92617</td> </tr> </table>		Name:	Broadcom Corporation	Street Address:	5300 California Avenue	City:	Irvine	State/Country:	CALIFORNIA	Postal Code:	92617
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CORRESPONDENCE DATA											
<p>Fax Number: 3123214299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-321-4200</p> <p>Email: cpopoca@brinkshofer.com, esmolinski@brinkshofer.com, usassignments@brinkshofer.com</p> <p>Correspondent Name: Benjamin I. Edlavitch</p> <p>Address Line 1: Brinks Hofer Gilson & Lione</p> <p>Address Line 2: P.O. Box 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>											
ATTORNEY DOCKET NUMBER:	14528.00170										
NAME OF SUBMITTER:	Benjamin I. Edlavitch, Reg. No. 57,142										
Signature:	/Benjamin I. Edlavitch/										

Date:

05/31/2013

Total Attachments: 3

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ASSIGNMENT

WHEREAS, WE, MORTEZA CYRUS AFGHAHI and ESIN TERZIOGLU, residing at 16215 Alton Parkway, Irvine, California 92618, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **SINGLE-ENDED SENSE AMPLIFIER WITH SAMPLE-AND-HOLD REFERENCE**, filed February 2, 2001, Application No. 09/776,220, which claims the benefit of United States Provisional Application Nos. 60/179,777, filed February 2, 2000; 6/179,766, filed February 2, 2000; 60/179,866, filed February 2, 2000; 60/179,718, filed February 2, 2000; 60/179,765, filed February 2, 2000; 60/179,768, filed February 2, 2000; 60/179,865, filed February 2, 2000; 60/193,607, filed March 31, 2000; 60/193,606, filed March 31, 2000; 60/193,605, filed March 31, 2000; 60/215,741, filed June 29, 2000; and 60/220,567, filed June 25, 2000.

AND WHEREAS, BROADCOM CORPORATION, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, 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 and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating 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 continuations, divisions, extensions, renewals,

ASSIGNMENT**Joint****Docket No. 37362/JFO/B600**

substitutes, and reissues thereof) granted for said improvements in any foreign countries; and 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 WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that 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, 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.

IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of March, 2001.

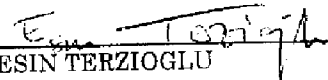
M. Afshar

MORTEZA CYRUS AFGHAHI

ASSIGNMENT
Docket No. 37362/JFO/B600

Joint

IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of March, 20 01.



ESIN TERZIOGLU