

FORM PTO-1619A

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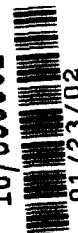
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U.S. Department of Commerce
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PATENT

10/055581

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01/23/02

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Month Day Year

Party 1	Seema Anand	1/9/2002
Party 2	Ahmadreza (Reza) Rofougharan	1/9/2002
Party 3		
Party 4		
Party 5		
Party 6		

Receiving Party

Mark if additional name of conveying parties attached

Name (line 1) Broadcom Corporation

Name (line 2) _____

Address 16215 Alton Parkway

Address Irvine California 92618-7013
City State/Country Zip Code

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Name Timothy W. Markison

Address (line 1) P.O. Box 160727

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Patent Application Numbers(s)			Patent Numbers		

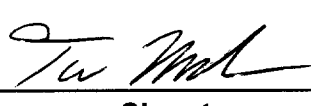
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year 1/9/2002

Patent Cooperation Treaty (PCT) PCT PCT PCT
Enter PCT application number only if a U.S. Application Number has not been assigned. PCT PCT PCT

Number of Properties Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Deposit Account
(Enter for payment by deposit account or if additional fees can be charged to the account.)
Deposit Account Number #
Authorization to charge additional fees: Yes No

Statement and Signature
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.
Timothy W. Markison  1/17/02
Name of Person Signing Signature Date

ASSIGNMENT for Patent Application

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor Seema Anand and Ahmadreza Rofougharan, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation, a California corporation having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-7013 (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box (es) for the United States of America (as defined in 35 U.S.C. § 100 et seq.),
 and throughout the world,

(a) in the invention(s) known as **METHOD AND APPARATUS FOR GENERATING A SELF-CORRECTING LOCAL OSCILLATION** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on the date(s) indicated below in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee

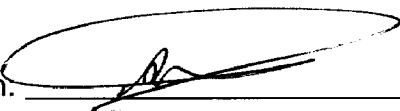
in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s): Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, and Shayne X. Short, Registration No. 45,105, and Robert C. Strawbrich, Registration No. 36,692; all of Garlick, Harrison & Markison, LLP, P.O. Box 160727, Austin, Texas 78716-0727, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Seema Anand:  Date: 1-9-2002

Ahmadreza Rofougharan:  Date: 1-9-2002

: _____ Date: _____

: _____ Date: _____

: _____ Date: _____

: _____ Date: _____