

03-16-2001

Docket No. 40885/CAG/B600

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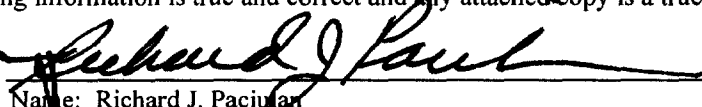
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Box Assignment  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

|   |  |  |                  |
|---|--|--|------------------|
| <p>1. Name of conveying party(ies):<br/><b>Ahmadreza Rofougaran, Maryam Rofougaran, Jacob Rael, Syed Masood, Brima Ibrahim, Hung Ming-Chien, Stephen Wu, Meng-An Pan</b></p> <p>Additional name(s) of conveying party(ies) attached: No<br/><b>3-13-01</b></p>  | <p>2. Name and address of receiving party(ies):<br/>Name: <b>Broadcom Corporation</b><br/>Street Address:<br/><b>16215 Alton Parkway,<br/>Irvine, California 92618</b></p> <p>Additional name(s) &amp; address(es) attached? No</p>  |  |                  |
| <p>3. Name of conveyance:<br/><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger<br/><input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name<br/><input type="checkbox"/> Other:</p> <p>Execution Date: <b>20 November 2000, 20 November, 2000, 20 November 2000, 20 November 2000, 20 November 2000, 20 November 2000, 23 January 2001, 15 January 2001</b></p>  |  |  |                  |
| <p>4. Application number(s) or patent number(s):<br/>If this document is being filed together with a new application, the execution date of the application is: .</p> <table border="0"> <tr> <td data-bbox="40 1071 695 1228">A. Patent Application No.(s)<br/>09/699,040</td> <td data-bbox="695 1071 1534 1228">B. Patent No.(s)</td> </tr> </table> <p style="text-align: right;">Additional numbers attached? No <b>40E</b></p>  |  | A. Patent Application No.(s)<br>09/699,040 | B. Patent No.(s) |
| A. Patent Application No.(s)<br>09/699,040  | B. Patent No.(s)   |  |                  |
| <p>5. Please return the recorded document and address all correspondence to:<br/><b>CHRISTIE, PARKER &amp; HALE, LLP</b><br/>P.O. Box 7068<br/>Pasadena, CA 91109-7068<br/>Attention: <b>Craig A. Gelfound</b></p>  | <p>6. Total number of applications and patents involved..... <span style="border: 1px solid black; padding: 2px;">1</span></p> <p>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41):      \$ 40.00</p> <p>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to <b>Deposit Account No. 03-1728</b>, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</p> |  |                  |
| <p>10. <input type="checkbox"/> Explanatory letter is enclosed.</p>   |  |  |                  |
| <p>9. Statement and signature.<br/>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.<br/>Date: March 8, 2001</p> <p style="text-align: right;">By <br/>Name: <b>Richard J. Pacinian</b><br/>626/795-9900</p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">5</span></p> |  |  |                  |

**ASSIGNMENT**

**WHEREAS, WE**, Ahmadreza Rofougaran, residing at Marina Del Rey, California, Maryam Rofougaran, residing at Marina Del Rey, California, Jacob Rael, residing at Los Angeles, California, Syed Masood, residing at Los Angeles, California, Brima Ibrahim, residing at Los Angeles, California, Hung-Ming Chien, residing at Los Angeles, California, Stephen Wu, residing at Los Angeles, California and Meng-An Pan, residing at Los Angeles, California, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **AN ADAPTIVE RADIO TRANSCEIVER WITH OFFSET PLL WITH SUBSAMPLING MIXERS**, filed October 27, 2000, Application No. 09/699,040;

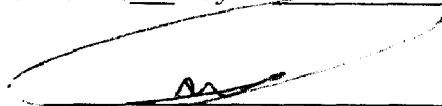
**AND WHEREAS BROADCOM CORPORATION**, a California corporation, having a place of business at 16215 Alton Parkway, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said 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, 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 20 day of Nov, 20 00.

  
\_\_\_\_\_  
Ahmadrza Rofougaran

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IN TESTIMONY WHEREOF, I hereunto set my hand this 20 day of NOV, 20 00.

  
\_\_\_\_\_  
Maryam Rofougaran

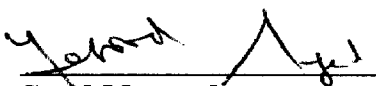
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IN TESTIMONY WHEREOF, I hereunto set my hand this 20 day of Nov, 20 00.

  
\_\_\_\_\_  
Jacob Rael

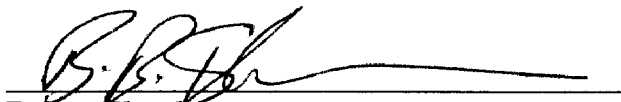
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IN TESTIMONY WHEREOF, I hereunto set my hand this 20 day of Nov., 20 00.

  
\_\_\_\_\_  
Syed Masood


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IN TESTIMONY WHEREOF, I hereunto set my hand this 20 day of November, 20 00.

  
\_\_\_\_\_  
Brima Ibrahim

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IN TESTIMONY WHEREOF, I hereunto set my hand this 20 day of November, 20 00.

  
\_\_\_\_\_  
Hung Ming Chien

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IN TESTIMONY WHEREOF, I hereunto set my hand this 23<sup>rd</sup> day of January, 20 01.

  
\_\_\_\_\_  
Stephen Wu

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IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of January, 20 01.

  
\_\_\_\_\_  
Meng-An Pan

CAG/ej  
EJ PAS285597.1-\* -11/13/00 3:27 PM