

PATENT ASSIGNMENT

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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>Gil I. Winograd</td> <td>06/18/2002</td> </tr> <tr> <td>Esin Terzioglu</td> <td>06/18/2002</td> </tr> <tr> <td>Ali Anvar</td> <td>06/18/2002</td> </tr> </tbody> </table>		Name	Execution Date	Gil I. Winograd	06/18/2002	Esin Terzioglu	06/18/2002	Ali Anvar	06/18/2002		
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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:</p> <p>Email: usassignments@brinkshofer.com, mmarsh@brinkshofer.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Brinks Hofer Gilson & Lione</p> <p>Address Line 1: 455 N. Cityfront Plaza Drive</p> <p>Address Line 2: Suite 3600</p> <p>Address Line 4: Chicago, ILLINOIS 60611</p>											
ATTORNEY DOCKET NUMBER:	14528.00453										
NAME OF SUBMITTER:	Lawrence M. Chen										
<p>Total Attachments: 2</p> <p>source=00453_Assignment#page1.tif</p> <p>source=00453_Assignment#page2.tif</p>											

CH \$40.00 13435020

ASSIGNMENT

Case No. 13245US01

Serial No. 10/177,311

Inventors: Ali Anvar
Gil I. Winograd
Esin Terzioglu

Filing Date: June 21, 2002

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to **Broadcom Corporation a California corporation**, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: **SYNCHRONOUS GLOBAL CONTROLLER FOR ENHANCED PIPELINING** and identified as Case No. **13245US01** in the offices of **McANDREWS, HELD & MALLOY, LTD.**, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, reexamination, reissue or extension of such applications or patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries

where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment has not been made.

WITNESS my hand and seal this 18th day of June, 2002.

Gil. I Winograd
Gil. I Winograd

WITNESS my hand and seal this 18th day of June, 2002.

Esin Terzioglu
Esin Terzioglu

WITNESS my hand and seal this 18 day of June, 2002.

Ali Anvar
Ali Anvar