

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>Gaurav Aggarwal</td><td>12/06/2002</td></tr><tr><td>Arun Gopalakrishna Rao</td><td>12/10/2002</td></tr><tr><td>Marcus Kellerman</td><td>12/11/2002</td></tr><tr><td>David Erickson</td><td>12/11/2002</td></tr><tr><td>Jason Demas</td><td>12/11/2002</td></tr><tr><td>Sandeep Bhatia</td><td>12/10/2002</td></tr><tr><td>Girish Hulmani</td><td>12/10/2002</td></tr></tbody></table>	Name	Execution Date	Gaurav Aggarwal	12/06/2002	Arun Gopalakrishna Rao	12/10/2002	Marcus Kellerman	12/11/2002	David Erickson	12/11/2002	Jason Demas	12/11/2002	Sandeep Bhatia	12/10/2002	Girish Hulmani	12/10/2002	
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<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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PROPERTY NUMBERS Total: 1																	
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CORRESPONDENCE DATA																	
Fax Number: (312)775-8100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	14092US01																

CH \$40.00 10317642

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PATENT  
REEL: 020276 FRAME: 0243

NAME OF SUBMITTER:

Mirut P. Dalal

Total Attachments: 3

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**ASSIGNMENT**  
**(JOINT INVENTORSHIP)**

Case No.	14092US01	Serial No.:	10/317,642
Inventors:	Gaurav Aggarwal Arun Gopalakrishna Rao Marcos Kellerman David Erickson Jason Demas Sandeep Bhatia Girish Hulmani	Filing Date:	December 11, 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 assign to **BROADCOM CORPORATION**, a California corporation, having a place of business at 16215 Alton Parkway, P.O. Box 57013, Irvine CA 92619-7013, 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 **System and Method for Enhancing Performance of Personal Video Recording (PVR) Functions on HITS Video Streams**; and identified as **Case No. 14092US01** 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 authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

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

For said considerations the undersigned hereby agree, 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

Arun 10<sup>th</sup> Dec 2002.  
Arun Gopalakrishna Rao Date

**David Erickson** **Date**

Sandeep Bhatia 10, DEC, 02  
Sandeep Bhatia Date

  
Girish Hulmani

10 Dec 02  
Date

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.

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**Gaurav Aggarwal**


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Date

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**Arun Gopalakrishna Rao**


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Date

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**Marcus Kellerman**


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Date

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**David Erickson**


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Date

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**Jason Demas**


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Date

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**Sandeep Bhatia**


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Date

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**Girish Hulmani**


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**PATENT**