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R. Nature of Conveyance:		
Assignment Merger Security Agreement Change of Name Other Execution Date: January 31, 2002		
Application number(s) or patent number(s):		
	application, the execution date of this applic	Sation 13. January 51, 2002
A. Patent Application No.(s) Additional numbers attached?	B. Patent	
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A. Patent Application No.(s) Additional numbers attached? Additional numbers attached? Additional numbers attached? Name and address of party to whom correspondence concerning document should be mailed: Name: Lawrence J. Merkel Internal Address: Conley, Rose & Tayon, P.C. Street Address: P.O. Box 398 City Austin State TX ZIP 78767- 2015/2002 ANNED1 00000079 501505 100665984 FC:581 40.00 CH	B. Patent Yes No 6. Total num -0398 7. Total fee (ber of applications and patents involved: <u>1</u>
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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Broadcom Corporation</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>16215 Alton Parkway</u>. Irvine, CA <u>92618</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled <u>ISSUE AND RETIREMENT</u> <u>MECHANISM IN PROCESSOR HAVING DIFFERENT PIPELINE LENGTHS</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominces of the Assigns.

Witness:

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you (Signature) Name:

____ Date: ____/31/02

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(n. 11

02 Date: _

Signature

A. KRUCKANYEA 040 Witness: Print Name

(Signature)

Date: 1/31/02

Name: David A. Kruckemyer

Witness: Signature

Date: 1/31/072

KUMBR Witness: Print Name

um (Signature) _

Name: Robert Røgenmoser

Witness:

Date: $\frac{1/31}{02}$ Date: _

Signature

- KUMAR WAIFET Witness:

Lawrence J. Merkel Conley, Rose & Tayon, P.C. P.O. Box 398 Austin, TX 78767-0398

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