



06-10-2002



ASSIGNM

IEET

102116023

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
a) Zheng Qi

6.3.02

2. Name and address of receiving party(ies):
a) Name: Broadcom Corporation
Address: 16215 Alton Parkway, Irvine, California 92618-3616

3. Nature of conveyance
 Assignment Merger
 Security Agreement Change of Name
 Other _____ License Agreement

Execution Date: January 31, 2002

4. Application Number(s) or Patent Number(s): 10/042,019
The title of the (new) application is: A FAST SHA1 IMPLEMTATION

5. Please send all correspondence concerning this (these) documents to:

Customer Number: 022434
BEYER WEAVER & THOMAS, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Phone (510) 843-6200
Fax (510) 843-6203

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed
 Any additional fees are authorized to be charged to Deposit Account No. 500388
(Order No. BRCMP007)

8. 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.

Date: May 16, 2002

James E. Austin
Registration No. 39,489

06/05/2002 ZJUHARR 00000038 10042019
02 FC:581 40.00 DP

ASSIGNMENT OF PATENT APPLICATION

Whereas I an undersigned inventor have invented certain new and useful improvements as set forth in the patent application entitled:

A FAST SHA1 IMPLEMENTATION

(Atty. Docket No. BRCMP007/BP 1687), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. 10/042,019 . (Not accompanying)
 which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I an undersigned inventor hereby:

- 1) Sell, assign and transfer to Broadcom Corporation, a California corporation having a place of business at 16215 Alton Parkway, Irvine, California 92618-3616 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents (including foreign patents and the right to claim priority) granted upon, the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature:

Zheng Qi

Date:

1/31/2002

State of California)

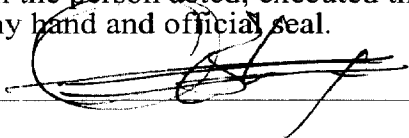
County of _____)

ss.

On this _____ day of _____, in the year 2002, before me, _____, Notary Public, personally appeared Zheng Qi, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____



(SEAL)