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102721443

Department of Commerce
Trademark Office

Document No. 58268.00308

Date: April 8, 2004

22390 U.S. PTO
10/8/19980

040804

MAILSTOP ASSIGNMENT

4-804

To the Commissioner of Patents
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

1. Karagada Ramarao KISHORE and 2. Chien-Hsien WU
Additional name(s) of conveying party(ies) attached?☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Broadcom Corporation

Address: 16215 Alton Parkway
Irvine, California 92618-3616
USA

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☐
- Other _____

Execution Date: 1. March 22, 2004 and 2. February 19, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: . March 22, 2004 and
2. February 19, 2004

A. Patent Application No.(s)

10819980

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Squire Sanders & Dempsey L.L.P.

Street Address: 8000 Towers Crescent Drive, 14th Floor

Tysons Corner, Virginia 22182-2700

04/09/2004 SSITHIB1 00000040 10819980

04 FC:8021

40.00 DP

6. Total number of applications and patents involved:

One

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

☒ Included in attached Check No. 011326.☒ Any additional fees are authorized to be charged to deposit account8. Counsel's Deposit account number: 50-2222
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Douglas H. Goldhush
Name of Person Signing
Reg. No. 33,125Hammer
Signature
Reg No: 45,852April 8, 2004
Date

Total number of pages including cover sheet, attachments, and document: 3

Docket No. 58268.00308

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR)

by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

Broadcom Corporation
 16215 Alton Parkway
 Irvine, California 92618-3616
 USA

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

INTERNET PROTOCOL MULTICAST REPLICATION

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

for which the following applications were filed:

*Filed on:	27 June 2003	Application	60/483,027
	16 December 2003	Number(s)	60/529,620

(Squire, Sanders & Dempsey L.L.P. is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

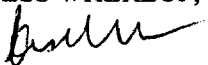
and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

	Karagada Ramarao KISHORE	<u>3/22/04</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
	Chien-Hsien WU	
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)

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by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

Broadcom Corporation
16215 Alton Parkway
Irvine, California 92618-3616
USA

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

INTERNET PROTOCOL MULTICAST REPLICATION

for which the following applications were filed:

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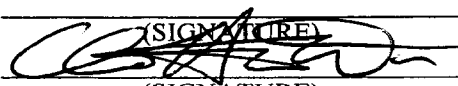
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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

	Karagada Ramarao KISHORE	
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Chien-Hsien WU	2/19/2004
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)