

09-19-2001

FORM PTO-1619A/B

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Customer No.: 23696
Attorney Docket No.: 010115

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation) Document ID No. <input type="checkbox"/> Correction of PTO Error Reel No. Frame No. <input type="checkbox"/> Corrective Document Reel No. Frame No.	Conveyance Type <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> License <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other: _____
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SEP 12

Conveying Party(ies) Mark if additional names are attached

NAME 1. Raymond T. Hsu 2. Nischal Abrol 3. 4.	EXECUTION DATE Month, Day, Year (MMDDYYYY) 08/21/2001 08/14/2001
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Receiving Party Mark if additional names are attached

Name: QUALCOMM Incorporated
 A Delaware Corporation
 Address (Street number and name): 5775 Morehouse Drive
 Address (City, State, Zip Code): San Diego, California, 92121-1714

Correspondent Name and Address

Name: QUALCOMM Incorporated Telephone Number: (858) 651-1179
 Attn: Sarah Kirkpatrick, Manager, Intellectual Property Administration Facsimile: (858) 658-2502
 Address: 5775 Morehouse Drive
 Address: San Diego, California 92121-1714

Pages (Enter the total number of pages including the Recordation Sheet)
 Total number of pages: 1

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: _____

Patent Application Number(s): 1. 09/865,166 filed 05/24/2001 2. _____ 3. 4.	Patent Number(s): 1. 2. 3. 4.
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Patent Cooperation Treaty (PCT)
 (Enter only if a U.S. Application Number has not been assigned)

1. PCT/	3. PCT/
2. PCT/	4. PCT/

Number of Properties (Enter the total number of properties involved)
 Total number of properties:

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00
 Method of Payment: Enclosed Deposit Account
 (Enter for payment by deposit account or if additional fees can be charged to the account.
 for fee processing)

Deposit Account Number: 17-0026
 Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Date: 09/06/2001
 Name: Maryanne E. DeAngelo, Reg. No. 47,228
 (858) 651-2384
 Signature: *Maryanne DeAngelo*

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09/19/2001 6TOM11 00000006 170026 09865166
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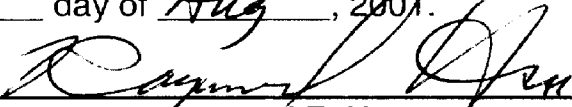
ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that we **Raymond T. Hsu**, a citizen of the United States of America having a place of residence at **17775 Pennacook Court, San Diego, California 92127**; and **Nischal Abrol**, a citizen of India having a place of residence at **7260 Calle Cristobal, #41, San Diego, California 92126**; have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto **QUALCOMM Incorporated**, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to a **METHOD AND APPARATUS FOR DIFFERENTIATING POINT TO POINT PROTOCOL SESSION TERMINATION POINTS** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **05/24/2001**, and assigned Serial No. **09/865,166**, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.


The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 21 day of Aug, 2001.



Raymond T. Hsu

Done at San Diego, California this 14th day of August, 2001.



Nischal Abrol