# PATENT ASSIGNMENT

**Electronic Version v1.1**  
**Stylesheet Version v1.1**

## SUBMISSION TYPE:
NEW ASSIGNMENT

## NATURE OF CONVEYANCE:
ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parag A. Agashe</td>
<td>04/21/2003</td>
</tr>
<tr>
<td>Roy Franklin Quick Jr.</td>
<td>04/21/2003</td>
</tr>
<tr>
<td>Jun Wang</td>
<td>04/21/2003</td>
</tr>
<tr>
<td>Raymond T. Hsu</td>
<td>04/21/2003</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** QUALCOMM Incorporated  
- **Street Address:** 5775 Morehouse Drive  
- **Internal Address:** Patent Department/Central Administration  
- **City:** San Diego  
- **State/Country:** CALIFORNIA  
- **Postal Code:** 92121

### PROPERTY NUMBERS Total: 1

<table>
<thead>
<tr>
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<tr>
<td>Application Number</td>
<td>12550129</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (858)658-2502  
- **Correspondence will be sent via US Mail when the fax attempt is unsuccessful.**  
- **Phone:** 858-845-4265  
- **Email:** patent.docketing.us@qualcomm.com  
- **Correspondent Name:** QUALCOMM INCORPORATED  
- **Address Line 1:** 5775 MOREHOUSE DR.  
- **Address Line 4:** SAN DIEGO, CALIFORNIA 92121

### ATTORNEY DOCKET NUMBER:
030119C1

### NAME OF SUBMITTER:
Margaret Freda

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**PATENT**  
**REEL: 023478 FRAME: 0575**
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 PARAG A. AGASHE, a citizen of India having a place of residence at 18971-17 CAMINITO CANTILENA, SAN DIEGO, CALIFORNIA 92128; ROY FRANKLIN QUICK, Jr., a citizen of the United States of America having a place of residence at 1150 BARCELONA DRIVE, SAN DIEGO, CALIFORNIA 92107; JUN WANG, a citizen of China having a place of residence at 426 BONAIR STREET, LA JOLLA, CALIFORNIA 92037; and RAYMOND T. HSU, a citizen of the United States of America having a place of residence at 17775 PENNACOOK COURT, SAN DIEGO, CALIFORNIA 92127; 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 Broadcast Services in a Communication System by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on 01/02/2003, and assigned Application Serial No. 10/335,626, 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 April, 2003.

__________________________
PARAG A. AGASHE

Done at San Diego, California this 21 day of April, 2003.

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ROY FRANKLIN QUICK, Jr.

Done at San Diego, California this 21 day of April, 2003.

__________________________
JUN WANG

Done at San Diego, California this 21 day of April, 2003.

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RAYMOND T. HSU