

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Naga Bhushan</td> <td>06/09/2003</td> </tr> <tr> <td>Etienne Francois Chaponniere</td> <td>06/12/2003</td> </tr> <tr> <td>Peter J. Black</td> <td>06/09/2003</td> </tr> <tr> <td>David Ngar Ching Tse</td> <td>06/05/2003</td> </tr> </tbody> </table>		Name	Execution Date	Naga Bhushan	06/09/2003	Etienne Francois Chaponniere	06/12/2003	Peter J. Black	06/09/2003	David Ngar Ching Tse	06/05/2003		
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<table border="1"> <tr> <td>Name:</td> <td>QUALCOMM Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>5775 Morehouse Drive</td> </tr> <tr> <td>Internal Address:</td> <td>Patent Department/Central Administration</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	Internal Address:	Patent Department/Central Administration	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121
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PROPERTY NUMBERS Total: 2													
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CORRESPONDENCE DATA													
Fax Number:	(858)658-2502												
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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Address Line 1:	5775 MOREHOUSE DR.												
Address Line 4:	SAN DIEGO, CALIFORNIA 92121												
ATTORNEY DOCKET NUMBER:	990356B1C1B1C1												

NAME OF SUBMITTER:

Gina Golia

**Total Attachments: 4**

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**PATENT**

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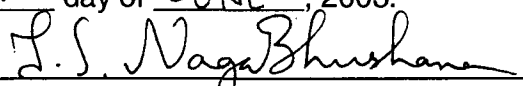
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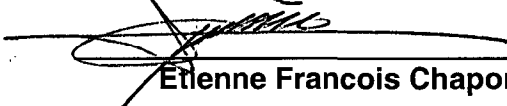
TO WHOM IT MAY CONCERN:

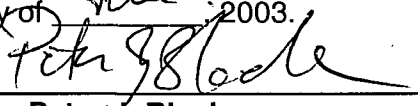
For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that we, **Naga Bhushan**, a citizen of the United States of America having a place of residence at **7794 Roan Road, San Diego, California 92129**; **Etienne Francois Chaponniere**, a citizen of Switzerland having a place of residence at **703 Agate Street Apt. #5, San Diego, California 92109**; **Peter J. Black**, a citizen of Australia having a place of residence at **2961 First Avenue, San Diego, California 92103**; and **David Ngar Ching Tse**, a citizen of Canada having a place of residence at **1635 Scenic Ave #1, Berkeley, California 94709**; 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 **Transmitter Directed Code Division Multiple Access System Using Multi-users Diversity to Maximize Throughput While Equitably Providing Access to Users** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **01/31/2003**, and assigned Application Serial No. **10/356,116**, 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 9<sup>TH</sup> day of JUNE, 2003.  
  
**Naga Bhushan**

Done at San Diego, California this 12<sup>th</sup> day of June, 2003.  
  
**Etienne Francois Chaponniere**

Done at San Diego, California this 9<sup>th</sup> day of June, 2003.  
  
**Peter J. Black**

Done at Berkeley, California this \_\_\_\_\_ day of \_\_\_\_\_, 2003.  
  
**David Ngar Ching Tse**

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Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
**Naga Bhushan**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
**Etienne Francois Chaponniere**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

\_\_\_\_\_  
**Peter J. Black**

Done at Berkeley, California this 5<sup>th</sup> day of June, 2003.

  
\_\_\_\_\_  
**David Ngar Ching Tse**