### PATENT ASSIGNMENT

**SUBMISSION TYPE:**

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**NATURE OF CONVEYANCE:**

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**CONVEYING PARTY DATA**

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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tr>
<td>Roberto Padovani</td>
<td>10/31/1997</td>
</tr>
<tr>
<td>Nagabhushana T. Sindhushayana</td>
<td>10/31/1997</td>
</tr>
<tr>
<td>Charles E. Wheatley III</td>
<td>11/03/1997</td>
</tr>
<tr>
<td>Matthew S. Grob</td>
<td>10/31/1997</td>
</tr>
<tr>
<td>Jurg K. Hinderling</td>
<td>10/31/1997</td>
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<tr>
<td>Paul E. Bender</td>
<td>10/31/1997</td>
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<tr>
<td>Peter J. Black</td>
<td>11/03/1997</td>
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**RECEIVING PARTY DATA**

<table>
<thead>
<tr>
<th>Name: Qualcomm Incorporated</th>
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<tbody>
<tr>
<td>Street Address: 5775 Morehouse Drive</td>
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<tr>
<td>City: San Diego</td>
</tr>
<tr>
<td>State/Country: CALIFORNIA</td>
</tr>
<tr>
<td>Postal Code: 92121-1714</td>
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**PROPERTY NUMBERS** Total: 10

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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: 858-658-5221  
Email: US-Docketing@qualcomm.com  
Correspondent Name: QUALCOMM Incorporated  
Address Line 1: 5775 Morehouse Drive  
Address Line 4: San Diego, CALIFORNIA 92121-1714

<table>
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<tr>
<th>ATTORNEY DOCKET NUMBER:</th>
<th>PA466C2C3456789101112</th>
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<tr>
<td>NAME OF SUBMITTER:</td>
<td>Deborah Dockett</td>
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Total Attachments: 5  
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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, ROBERTO PADOVANI, a citizen of Italy having a place of residence at 13593 Penfield Point, San Diego, California 92130; PAUL E. BENDER, a citizen of the United States of America having a place of residence at 2879 Angell Avenue, San Diego, California 92122; PETER J. BLACK, a citizen of Australia having a place of residence at 8558 Villa La Jolla Drive, Apt. 258, La Jolla, California 92037; MATTHEW S. GROB, a citizen of the United States of America having a place of residence at 2757 Bordeaux Avenue, La Jolla, California 92037; JURG K. HINDERLING, a citizen of Switzerland having a place of residence at 4655 Serenata Place, San Diego, California 92130; NAGABHUSHANA T. SINDHUSHAYANA, a citizen of India having a place of residence at 10635 Dabney Drive, #63, San Diego, California 92126; and CHARLES E. WHEATLEY, III, a citizen of the United States of America having a place of residence at 2208 Camino Del Barco, Del Mar, California 92014, 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 6455 Lusk Boulevard, San Diego, California 92121, 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 HIGH RATE PACKET DATA TRANSMISSION by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on even date herewith, 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

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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 31 day of Oct, 1997.

[Signature]

ROBERTO PADOVANI

STATE OF CALIFORNIA  
COUNTY OF SAN DIEGO  

On October 31, 1997 before me, the undersigned, a Notary Public
in and for said State, personally appeared ROBERTO PADOVANI, 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 that he
executed same.

[Signature]

Notary Public

(seal)
Done at San Diego, California this 31st day of October, 1997.

[Signature]

NAGABHUSHANA T.
SINDHUSHAYANA

STATE OF CALIFORNIA )
) ss.
COUNTY OF SAN DIEGO )

On October 31, 1997 before me, the undersigned, a Notary Public in and for said State, personally appeared NAGABHUSHANA T. SINDHUSHAYANA, 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 that he executed same.

[Signature]

Notary Public

(seal)

Done at San Diego, California this 3 day of November, 1997.

[Signature]

CHARLES E. WHEATLEY, III

STATE OF CALIFORNIA )
) ss.
COUNTY OF SAN DIEGO )

On November 3, 1997 before me, the undersigned, a Notary Public in and for said State, personally appeared CHARLES E. WHEATLEY, III, 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 that he executed same.

[Signature]

Notary Public

(seal)
Done at San Diego, California this 31st day of October, 1997.

__________________________________________
MATTHEW S. GROB

STATE OF CALIFORNIA    )
COUNTY OF SAN DIEGO    ) ss.

On October 31, 1997 before me, the undersigned, a Notary Public in and for said State, personally appeared MATTHEW S. GROB, 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 that he executed same.

____________________________
Danielle M. Lagnado
Notary Public

(seal)

Done at San Diego, California this 31st day of October, 1997.

__________________________________________
JURG K. HINDERLING

STATE OF CALIFORNIA    )
COUNTY OF SAN DIEGO    ) ss.

On October 31, 1997 before me, the undersigned, a Notary Public in and for said State, personally appeared JURG K. HINDERLING, 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 that he executed same.

____________________________
Danielle M. Lagnado
Notary Public

(seal)
Done at San Diego, California this 31 day of Oct., 1997.

PAUL E. BENDER

STATE OF CALIFORNIA  )
COUNTY OF SAN DIEGO  ) ss.

On October 31, 1997 before me, the undersigned, a Notary Public in and for said State, personally appeared PAUL E. BENDER, 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 that he executed same.

Dannile M. Lagrado
Notary Public

(seal)

Done at San Diego, California this 3 day of Nov., 1997.

PETER J. BLACK

STATE OF CALIFORNIA  )
COUNTY OF SAN DIEGO  ) ss.

On November 3, 1997 before me, the undersigned, a Notary Public in and for said State, personally appeared PETER J. BLACK, 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 that he executed same.

Dannile M. Lagrado
Notary Public

(seal)