

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|--|---------------|----------------|---------------------|------------|-------------------|------------|------------------|------------|---------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Pei Xiang</td> <td>11/26/2007</td> </tr> <tr> <td>Samir Kumar Gupta</td> <td>11/28/2007</td> </tr> <tr> <td>Eddie L. T. Choy</td> <td>11/26/2007</td> </tr> <tr> <td>Prajakt V. Kulkarni</td> <td>11/26/2007</td> </tr> </tbody> </table> | | Name | Execution Date | Pei Xiang | 11/26/2007 | Samir Kumar Gupta | 11/28/2007 | Eddie L. T. Choy | 11/26/2007 | Prajakt V. Kulkarni | 11/26/2007 |
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| Eddie L. T. Choy | 11/26/2007 | | | | | | | | | | |
| Prajakt V. Kulkarni | 11/26/2007 | | | | | | | | | | |
| 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 border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11946365</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11946365 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 11946365 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| Phone: | 858-845-4265 | | | | | | | | | | |
| Email: | us-docketing@qualcomm.com | | | | | | | | | | |
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| Address Line 4: | SAN DIEGO, CALIFORNIA 92121 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 070590 | | | | | | | | | | |
| NAME OF SUBMITTER: | Margaret Freda | | | | | | | | | | |

CH \$40.00 11946365

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,

1. **Pei Xiang**, a citizen of the People's Republic of China, having a place of residence at 10378 Wateridge Circle, Unit 340, San Diego, CA 92121;
2. **Samir Kumar Gupta**, a citizen of the United States of America; having a place of residence at 11156 Corte Pleno Verano, San Diego, CA 92130;
3. **Eddie L. T. Choy**, a citizen of the United States of America, having a place of residence at 6020 Paseo Airoso, Carlsbad, CA 92009;

and

4. **Prajakt V. Kulkarni**, a citizen of India, having a place of residence at 11550, Caminito La Bar, Unit 112, San Diego, CA 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 entire right, title and interest in and to a certain invention relating to **METHODS AND APPARATUS FOR PROVIDING A DISTINCT PERCEPTUAL LOCATION FOR AN AUDIO SOURCE WITHIN AN AUDIO MIXTURE** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on 11/28/07, and assigned Serial No. 11/946,365 (and we

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hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including, without limitation, all provisional patent applications, 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 26th day of Nov, 2007.



Pei Xiang

Done at San Diego, California this _____ day of _____, 2007.

Samir Kumar Gupta

Done at San Diego, California this _____ day of _____, 2007.

Eddie L. T. Choy

Done at San Diego, California this _____ day of _____, 2007.

Prajakt Kulkarni

PATENT
Docket No. 070590
Page 2 of 2

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Done at San Diego, California this _____ day of _____, 2007.

Pei Xiang

Done at San Diego, California this 28th day of Nov, 2007.



Samir Kumar Gupta

Done at San Diego, California this _____ day of _____, 2007.

Eddie L. T. Choy

Done at San Diego, California this _____ day of _____, 2007.

Prajakt Kulkarni

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Done at San Diego, California this _____ day of _____, 2007.

Pei Xiang

Done at San Diego, California this _____ day of _____, 2007.

Samir Kumar Gupta

Done at San Diego, California this 26th day of Nov, 2007.



Eddie L. T. Choy

Done at San Diego, California this _____ day of _____, 2007.

Prajakt Kulkarni

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Done at San Diego, California this _____ day of _____, 2007.

Pei Xiang

Done at San Diego, California this _____ day of _____, 2007.

Samir Kumar Gupta

Done at San Diego, California this _____ day of _____, 2007.

Eddie L. T. Choy

Done at San Diego, California this 26th day of NOV., 2007.



Prajakt Kulkarni