

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Qian Yu</td> <td>02/11/2009</td> </tr> <tr> <td>Hiramatsu Katsuhiko</td> <td>02/24/2009</td> </tr> <tr> <td>Ping Luo</td> <td>02/23/2009</td> </tr> </tbody> </table>		Name	Execution Date	Qian Yu	02/11/2009	Hiramatsu Katsuhiko	02/24/2009	Ping Luo	02/23/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Panasonic Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1006 Oaza Kadoma, Kadoma-shi</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>571-8501</td> </tr> </table>		Name:	Panasonic Corporation	Street Address:	1006 Oaza Kadoma, Kadoma-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	571-8501
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CORRESPONDENCE DATA											
<p>Fax Number: (612)349-9266 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 612-349-3001 Email: erickson@ptslaw.com Correspondent Name: Douglas J. Christensen Address Line 1: 4800 IDS Center Address Line 2: 80 South Eighth Street Address Line 4: Minneapolis, MINNESOTA 55402</p>											
ATTORNEY DOCKET NUMBER:	4071.07WOUS										
NAME OF SUBMITTER:	Douglas J. Christensen										
<p>Total Attachments: 4 source=4071_07WOUS_asg#page1.tif</p>											

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ASSIGNMENT

WHEREAS, we, Qian Yu, of Singapore, SG, Hiramatsu Katsuhiko, of Osaka, Japan, and Ping Luo, of Singapore, SG, respectively, have invented certain new and useful improvements in TRANSMISSION OF MULTICAST/BROADCAST SERVICES IN A WIRELESS COMMUNICATION NETWORK, for which an application for Letters Patent of the United States is being made, said application having been executed on even date herewith, and which may be identified in the United States Patent Office by Application No. 12/296,856, filed October 10, 2008.

WHEREAS, Panasonic Corporation ("Assignee"), a business entity organized and existing under the laws of the Japan, and having its principal offices at 1006 Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of good and valuable consideration to us in hand paid by said Assignee, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said provisional/utility application, all applications claiming priority to said provisional/utility application including all divisions, continuations or renewals thereof, and the Letters Patent, that may or shall issue, therefrom including all reissues or extensions of such patents, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

We hereby authorize the above mentioned Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained. We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired.

Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seal as dated below.

Date: Feb 11. 2009

Yugian
Qian Yu

Date: _____

Hiramatsu Katsuhiko

Date: 23/2/2009

Ping Luo
Ping Luo

ASSIGNMENT

WHEREAS, we, Qian Yu, of Singapore, SG, Hiramatsu Katsuhiko, of Osaka, Japan, and Ping Luo, of Singapore, SG, respectively, have invented certain new and useful improvements in TRANSMISSION OF MULTICAST/BROADCAST SERVICES IN A WIRELESS COMMUNICATION NETWORK, for which an application for Letters Patent of the United States is being made, said application having been executed on even date herewith, and which may be identified in the United States Patent Office by Application No. 12/296,856, filed October 10, 2008.

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IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seal as dated below.

Date: _____

Qian Yu

Date: Feb. 24, 2009

Katsuhiko Hiramatsu
Hiramatsu Katsuhiko

Date: _____

Ping Luo