

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HINDRIK FREERK BULTHUIS	12/08/2011
RECEIVING PARTY DATA	
Name:	GEMFIRE CORPORATION
Street Address:	2555 Martin Ave., Suite D
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95050
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13271886
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ATTORNEY DOCKET NUMBER:	GEMF 2074-1
NAME OF SUBMITTER:	Warren S. Wolfeld
Total Attachments: 2 source=20111216081719787#page1.tif source=20111216081719787#page2.tif	

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**SOLE TO CORPORATE ASSIGNMENT**

WHEREAS, the undersigned, Hindrik Freerk Bulthuis, Distelvlinderlaan 35, Apeldoorn 7323 RK, The Netherlands, hereinafter termed "Inventor", has invented certain new and useful improvements in

**AWG SUPPORTING MULTIPLE FREQUENCY BANDS AND CHANNEL PLANS**

and

[  ] has filed a provisional application for a United States patent disclosing and identifying the above invention on 12 October 2010 as Application No. 61/392,131,

[  ] has filed a non-provisional application for a United States patent disclosing and identifying the above invention on 12 October 2011 as Application No. 13/271,886,

[  ] are filing a non-provisional application herewith, and

[  ] has executed an oath or declaration of inventorship for such non-provisional application on the 8th day of December, 2011;

(hereinafter termed "applications"); and

WHEREAS, GEMFIRE CORPORATION, a corporation of California, having a place of business at P.O. Box 6334, Santa Clara, CA 95056 (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said applications and said invention; (b) in and to all rights to apply for foreign patents (including patent, utility model and industrial design) on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, including the right to claim priority from the applications; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.

2. Said Inventor does hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in

the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, the Inventors' respective heirs, legal representatives and assigns.

4. Said Inventor does hereby warrant and represent that said Inventor have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor hereby authorizes any of the following attorneys: Mark A. Haynes, Ernest J. Beffel, Jr., Warren S. Wolfeld, James F. Hann, and Kenta Suzue to (a) insert the date of execution of the oath or declaration of inventorship, and (b) insert the application number and filing date of this application when known.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee as of the date written below.

  
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Hindrik Frerik Bulthuis

Date: 8-12-2011