

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Frederic Christian Marc Hayem	12/12/2006
Hooman Darabi	12/12/2006
Mike (Hon Fai) Chu	02/08/2007
Anatoly Gelman	12/18/2006
Kiran Puttegowda	12/13/2006
Claude G. Hayek	02/09/2007
Ahmadreza (Reza) Rofougaran	12/12/2006
Maryam Rofougaran	12/12/2006
Nelson R. Sollenberger	02/14/2007
Ronish Patel	02/14/2007
RECEIVING PARTY DATA	
Name:	Broadcom Corporation
Street Address:	16215 Alton Parkway
City:	Irvine
State/Country:	CALIFORNIA
Postal Code:	92618-7013
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11641562
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Bruce E. Stuckman
Address Line 1:	P. O. Box 160727

OP \$40.00 11641562

500226152

PATENT
REEL: 018908 FRAME: 0331

Address Line 4: Austin, TEXAS 78716

ATTORNEY DOCKET NUMBER:

BP5843

NAME OF SUBMITTER:

Bruce E. Stuckman

Total Attachments: 9

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U.S. Utility Patent Appl. Serial No.: 11/641,562
 U.S. Utility Patent Appl. Filing Date: 12-18-06
 U.S. Patent No.: _____
 U.S. Patent Issue Date: _____

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignors", have invented a new and useful invention entitled:

**RADIO FREQUENCY INTEGRATED CIRCUIT HAVING FREQUENCY DEPENDENT NOISE
 MITIGATION WITH SPECTRUM SPREADING**

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith or that was filed with the United States Patent and Trademark Office on the 18th day of Dec 2006. The Assignors believe himself/herself/themselves to be the original inventor(s) of the invention disclosed and claimed in the application for Letters Patent.

WHEREAS, The entity identified immediately below having a principal office and place of business as identified, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

Broadcom Corporation, a California Corporation
 16215 Alton Parkway
 Irvine, CA, USA 92618-7013

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, any and all provisional patent applications from which the application claims priority, and all Letters Patents that may issue for the said invention, and all division, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein

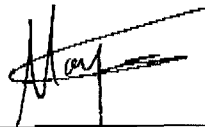
Docket No. BP5843

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):

 _____ Frederic Christian Marc Hayem	_____ Date	_____ Hooman Darabi	_____ Date
_____ Mike (Hon Fai) Chu	_____ Date	_____ Anatoly Gelman	_____ Date
_____ Kiran Puttegowda	_____ Date	_____ Claude G. Hayek	_____ Date

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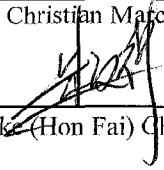
_____ Frederic Christian Marc Hayem	_____ Date	_____ Hooman Darabi	_____ Date
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Inventor(s):

Frederic Christian Marc Hayem	Date	Hooman Darabi	Date
	2/8/2007	Anatoly Gelman	Date
Mike (Hon Fai) Chu	Date	Claude G. Hayek	Date
Kiran Puttegowda	Date		

Docket No. BP5843

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Inventor(s):

Frederic Christian Marc Hayem Date

Mike (Hon Fai) Chu Date

Kiran Puttegowda Date

Hooman Darabi Date

Anatoly Gelman *dec 18/2006*

Anatoly Gelman Date

Claude G. Hayek Date

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Docket No. BP5843

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Frederic Christian Marc Hayem	Date	Hooman Darabi	Date
Mike (Hon Fai) Chu	Date	Anatoly Gelman	Date
 Kiran Puttegowda	12/13/2006 Date	Claude G. Hayek	Date

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_____ Kiran Puttegowda	_____ Date	 Claude G. Hayek	<u>2/9/07</u> Date

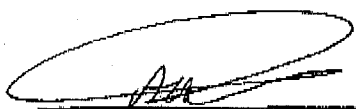
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Inventor(s):



Ahmadreza (Reza) Rofougaran

12-12-2006

Date



Maryam Rofougaran

12/12/06

Date

Nelson R. Sollenberger

Date

Ronish Patel

Date

Date

Date

Docket No. BP5843 (part

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Inventor(s):


Ahmadreza (Rcza) Rofougaran

Date

 2/14/2007
Nelson R. Sollenberger Date

Maryam Rofougaran

Date

 2/14/2007
Ronish Patel Date

Date

Date

9

PATENT

RECORDED: 02/20/2007

REEL: 018908 FRAME: 0341