

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Esmael H Dinan	09/05/2013
RECEIVING PARTY DATA	
Name:	Ofinno Technologies, LLC
Street Address:	13633 Cedar Run Lane
City:	Herndon
State/Country:	VIRGINIA
Postal Code:	20171
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13887408
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	7038991081
Email:	dinan@dinantech.com
Correspondent Name:	Esmael Dinan
Address Line 1:	13633 Cedar Run Lane
Address Line 4:	Herndon, VIRGINIA 20171
ATTORNEY DOCKET NUMBER:	AA-12-1036U
NAME OF SUBMITTER:	Esmael H. Dinan
Signature:	/Esmael Dinan/
Date:	09/05/2013
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PATENT

**ASSIGNMENT OF INVENTION**

WHEREAS, Esmael H Dinan, hereinafter called the "Assignor," has invented a new and useful invention for which the following U.S Patent Applications have been filed: U.S. Utility Patent Application No.: 13/887,408, filed May 06, 2013, entitled, "Control Channel in a Wireless Communication System," and U.S. Provisional Application No. 61/642,472, filed May 04, 2012, entitled, "Reference Signals and Channel Feedback in Wireless Networks."

Whereas, the Ofinno Technologies, LLC., of Herndon, VA, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, including any provisionals, continuations, divisionals, continuations-in-part, and any applications claiming benefit to said applications, and in, to and under any Letters Patent which may be granted thereof, including all reissues, reexaminations, and extensions thereof.

NOW, THEREFORE, in consideration of good and valuable and legally sufficient consideration, the receipt of which by said Assignor from the said Assignee is hereby acknowledged,

Said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, including any provisionals, continuations, divisionals, continuations-in-part, and any applications claiming benefit to said applications, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Patent and Patent therefore, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue; Said Assignor does hereby covenant and agree, for itself and its legal representatives, that it will reasonably assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Patent herein contemplated; and that it will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment; and The Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignor and Assignee have hereunto set his hands and affixed his seal.

Date: September 05, 2013

Assignor: Esmael Dinan  
Esmael H Dinan