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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4580956

| CONVEYING PARTY DATA Name Execution Date SMAEL DINAN 06/23/2013 RECEIVING PARTY DATA Name: OFINNO TECHNOLOGIES, LLC Street Address: 13633 CEDAR RUN LANE City: HERNDON State/Country: VIRGINIA Postal Code: 20171 PROPERTY NUMBERS Total: 2 Property Type Property Type Number Patent Number: 8619727 Patent Number: 8553655 CORRESPONDENCE DATA Fax Number: B553655 Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Ising a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Sorrespondent Name: BANNER & WITCOFF, LTD. Address Line 1: 1100 13TH STREET, N.W. Address Line 2: SUITE 1200 Address Line 4: WASHINGTON, D.C. 20005-4051 TTORNEY DOCKET NUMBER: 007412.03447 AME OF SUBMITTER: JUSTIN M. PHILPOTT GNATURE: /Justin M. PhILPOTT< | SUBMISSION TYPE: | | NEW ASSIGNMENT | | |
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Docket No: DD-12-1046ASN

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.: 13/749,688, filed January 25, 2013, entitled, "Multicarrier Wireless Communications Reference Cell," U.S. Provisional Application No. 61/590,366, filed January 25, 2012, entitled "Carrier Groups in Multicarrier Networks," and U.S. Provisional Application No. 61/618,830, filed April 1, 2012, entitled "Timing Management 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 Assignce 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: June 23, 2013

Assignor: Emad Dinan

Esmael H Dinan