

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5183188

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ESMAEL HEJAZI DINAN	07/16/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OFINNO TECHNOLOGIES, LLC
<b>Street Address:</b>	13633 CEDAR RUN LANE
<b>City:</b>	HERNDON
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	20171
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15898328
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)824-3001
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(202) 824-3000
<b>Email:</b>	bwptopat@bannerwitcoff.com, gdowns@bannerwitcoff.com
<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD.
<b>Address Line 1:</b>	1100 13TH ST. NW
<b>Address Line 2:</b>	STE 1200
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	007412.03892
<b>NAME OF SUBMITTER:</b>	SCOTT M. KELLY
<b>SIGNATURE:</b>	/Scott M Kelly/
<b>DATE SIGNED:</b>	10/11/2018
<b>Total Attachments: 1</b>	
source=Assignment - Dinan to Ofinno - 007412#page1.tif	

**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.: 13/662,544, filed October 29, 2012, entitled, "Efficient Special Subframe Allocation," U.S. Provisional Application No. 61/553,183, filed October 29, 2011, entitled "Dynamic Special Subframe Allocation," and U.S. Provisional Application No. 61/553,184, filed October 29, 2011, entitled "Special Subframe Allocation," and U.S. Provisional Application No. 61/553,188, filed October 29, 2011, entitled "Efficient Special Subframe Allocation."

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: July 16, 2014

Assignor: Esmael Dinan  
Esmael H Dinan