

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4763691

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
INTELEPEER CLOUD COMMUNICATIONS LLC	12/18/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HORIZON TECHNOLOGY FINANCE CORPORATION
<b>Street Address:</b>	312 FARMINGTON AVENUE
<b>City:</b>	FARMINGTON
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06032
<b>PROPERTY NUMBERS Total: 11</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8089952
Patent Number:	8000464
Patent Number:	7995738
Patent Number:	8155291
Patent Number:	8532275
Patent Number:	7912983
Patent Number:	8171160
Patent Number:	8064354
Patent Number:	8325891
Patent Number:	8411832
Patent Number:	8443104
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)676-8655
<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>	8602849878
<b>Email:</b>	lucia@horizontechfinance.com
<b>Correspondent Name:</b>	HORIZON TECHNOLOGY FINANCE
<b>Address Line 1:</b>	312 FARMINGTON AVENUE
<b>Address Line 2:</b>	ATTN; LEGAL DEPARTMENT
<b>Address Line 4:</b>	FARMINGTON, CONNECTICUT 06032

PATENT

<b>NAME OF SUBMITTER:</b>	ERIC S. DARMOFAL
<b>SIGNATURE:</b>	/s/ Eric S. Darmofal
<b>DATE SIGNED:</b>	01/07/2018
<b>Total Attachments: 2</b> source=5 Grant of Security Interest Patents - IntelPeer Cloud (12-18-17) (IntelPeer)#page1.tif source=5 Grant of Security Interest Patents - IntelPeer Cloud (12-18-17) (IntelPeer)#page2.tif	

GRANT OF SECURITY INTEREST  
PATENTS

THIS GRANT OF SECURITY INTEREST, dated as of December 18, 2017, is executed by INTELEPEER CLOUD COMMUNICATIONS LLC, a Delaware limited liability company with an address of 177 Bovet Road, Suite 400, San Mateo, California 94402 (“Debtor”), in favor of HORIZON TECHNOLOGY FINANCE CORPORATION, a Delaware corporation with an address of 312 Farmington Avenue, Farmington, Connecticut 06032 (“Secured Party”).

A. Pursuant to a certain Venture Loan and Security Agreement, dated on or about the date hereof (the “Agreement”) by and between Debtor and the Secured Party, the Secured Party has agreed to extend credit to Debtor upon the terms and subject to the conditions set forth therein;

B. Debtor owns the patents and/or applications for patents, more particularly described on Schedules 1-A and 1-B annexed hereto as part hereof (collectively, the “Patents”);

C. Pursuant to the Agreement, Debtor has granted to Secured Party a security interest in all right, title and interest of Debtor in and to the Patents, together with any reissue, continuation, continuation-in-part or extension thereof, and all proceeds thereof, including any and all causes of action which may exist by reason of infringement thereof for the full term of the Patents (the “Collateral”), to secure the prompt payment, performance and observance of the Obligations (as defined in the Agreement);

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Debtor does hereby further grant to Secured Party a security interest in the Collateral to secure the prompt payment, performance and observance of the Obligations.

Debtor does hereby further acknowledge and affirm that the rights and remedies of Secured Party with respect to the security interest in the Collateral granted hereby are more fully set forth in the Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

IN WITNESS WHEREOF, Debtor has caused this instrument to be executed as of the day and year first written above.

INTELEPEER CLOUD COMMUNICATIONS LLC

By: Frank M Fawzi  
Name: Frank M Fawzi  
Title: President CEO

**SCHEDULE 1-A TO GRANT OF SECURITY INTEREST  
PATENTS**

Reference #	Serial #	Filed Date	Title	Patent #	Issue Date	Assignee Name
IPR-10-1155	11/849,044	8/31/2007	INTELLIGENT CALL ROUTING	8,089,952	1/3/2012	IntelPeer Cloud Communications LLC
IPR-10-1168	12/729,770	3/23/2010	METHOD OF MANAGING A PEERING DATABASE IN A TELECOMMUNICATIONS NETWORK	8,000,464	8/16/2011	IntelPeer Cloud Communications LLC
IPR-10-1168CON	12/869,839	8/27/2010	METHOD OF MANAGING A PEERING DATABASE IN A TELECOMMUNICATIONS NETWORK	7,995,738	8/9/2011	IntelPeer Cloud Communications LLC
IPR-10-1169	12/729,806	3/23/2010	PAYMENT SYSTEM FOR PAYING PEERING PARTNERS IN A PEERING ARRANGEMENT	8,155,291	4/10/2012	IntelPeer Cloud Communications LLC
IPR-10-1169CIP	13/192,753	7/28/2011	CLOUD-BASED VIRTUAL TANDEM	8,532,275	9/10/2013	IntelPeer Cloud Communications LLC
IPR-10-1192	12/909,481	10/21/2010	MULTI-LAYER STACK PLATFORM FOR CLOUD COMMUNICATIONS	7,912,983	3/22/2011	IntelPeer Cloud Communications LLC
IPR-10-1192CON	13/014,919	1/27/2011	MULTI-LAYER STACK PLATFORM FOR CLOUD COMMUNICATIONS	8,171,160	5/1/2012	IntelPeer Cloud Communications LLC
IPR-10-1193	12/840,687	7/21/2010	OPTIMIZED PATH CALL ROUTING WITH DEVICE IDENTIFIER	8,064,354	11/22/2011	IntelPeer Cloud Communications LLC
IPR-10-1238	12/884,293	9/17/2010	ANTI-LOOPING FOR MULTIGATEWAY MULTI-CARRIER NETWORK	8,325,891	12/4/2012	IntelPeer Cloud Communications LLC
IPR-10-1459R	13/233,865	9/15/2011	WIRELESS CALL ROUTING IN A COMMUNICATION PEERING GRID	8,411,832	4/2/2013	IntelPeer Cloud Communications LLC
IPR-11-1124	13/227,237	9/7/2011	ROUTING ENGINE WITH FILTERING CAPABILITIES	8,443,104	5/14/2013	IntelPeer Cloud Communications LLC

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**RECORDED: 01/07/2018**

**PATENT  
REEL: 044553 FRAME: 0322**