

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENNETH L. STANWOOD	06/12/2013
DAVID GELL	06/12/2013
MURAT KARSI	06/12/2013
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92128
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15073059
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<b>NAME OF SUBMITTER:</b>	PAMELA SKELTON
<b>SIGNATURE:</b>	/Pamela Skelton/
<b>DATE SIGNED:</b>	03/17/2016
<b>Total Attachments: 1</b>	
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**ASSIGNMENT**

WHEREAS, We, **Kenneth L. Stanwood**, a citizen of the United States; **David Gell**, a citizen of the United States, and **Murat Karsi**, a citizen of the United States, have invented certain new and useful improvements in a **UPLINK INTERFERENCE RESOLUTION** for which we have prepared a provisional application in the United States, filed at the U.S. Patent and Trademark Office, (filed on March 15, 2013 as serial no. 61/798,572).

AND WHEREAS, **Cygnus Broadband, Inc.** (hereinafter "ASSIGNEE"), a corporation, with its principal place of business at 15090 Avenue of Science, Suite 103, San Diego, CA 92128, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all applications claiming the benefit of the filing date of said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

12 day of June, 2013

  
Kenneth L. Stanwood

12 day of June, 2013

  
David Gell

12 day of June, 2013

  
Murat Karsi