

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
PARTNERS FOR GROWTH		09/15/2016
RECEIVING PARTY DATA		
Name:	ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC.	
Street Address:	333 TWIN DOLPHIN DR.	
City:	REDWOOD CITY	
State/Country:	CALIFORNIA	
Postal Code:	94065	
PROPERTY NUMBERS Total: 81		
Property Type	Number	
Patent Number:	8972549	
Patent Number:	8948026	
Patent Number:	9203724	
Patent Number:	9071534	
Patent Number:	8902958	
Patent Number:	9106735	
Patent Number:	9241077	
Patent Number:	9060054	
Patent Number:	7428669	
Patent Number:	7809996	
Patent Number:	7302379	
Patent Number:	7711530	
Patent Number:	7558315	
Patent Number:	7639596	
Patent Number:	7535966	
Patent Number:	7573943	
Patent Number:	7349963	
Patent Number:	7809116	
Patent Number:	7460588	
Patent Number:	7606350	

PATENT

Property Type	Number
Patent Number:	7593458
Patent Number:	7773497
Patent Number:	8310914
Patent Number:	7774398
Patent Number:	7817745
Patent Number:	7813420
Patent Number:	7852952
Patent Number:	7991122
Patent Number:	8761348
Patent Number:	7657818
Patent Number:	7688884
Patent Number:	7684546
Patent Number:	8073135
Patent Number:	7881438
Patent Number:	8009665
Patent Number:	8483369
Patent Number:	7924736
Patent Number:	7830761
Patent Number:	7830955
Patent Number:	8428225
Patent Number:	8340279
Patent Number:	8842527
Patent Number:	8363788
Patent Number:	8045629
Patent Number:	8644169
Patent Number:	8730785
Patent Number:	8792620
Patent Number:	8489344
Patent Number:	8589093
Application Number:	13916493
Application Number:	14162133
Application Number:	12226911
Application Number:	13254454
Application Number:	14242164
Application Number:	14341659
Application Number:	13511632
Application Number:	13610195
Application Number:	13995900

Property Type	Number
Application Number:	13995901
Application Number:	14365604
Application Number:	14356581
Application Number:	14362584
Application Number:	14362585
Application Number:	14384366
Application Number:	14384379
Application Number:	14384368
Application Number:	14394076
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Application Number:	14414435
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Application Number:	14434073
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Application Number:	14779942
Application Number:	14431774
Application Number:	14414436
Application Number:	14417544
Application Number:	14443999
Application Number:	14771789
Application Number:	14763486
Application Number:	14767870

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 503-968-8233

Email: kcampbell@ghmip.com

Correspondent Name: GREEN, HOWARD, & MUGAHL, LLP

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ATTORNEY DOCKET NUMBER:	PFG-ASSIA
NAME OF SUBMITTER:	USMAN MUGHAL
SIGNATURE:	/Usman A. Mughal/
DATE SIGNED:	10/03/2016

Total Attachments: 4

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ASSIGNMENT

WHEREAS, **Partners for Growth (PFG)**, a limited liability company or corporation organized under the laws of the State of California, having a place of business at **1660 Tiburon Blvd. Suite D, Tiburon, CA 94920**, is the **Assignor** (for security) of the patents and patent applications as listed on the attached Appendix A to this Assignment; and

WHEREAS, **Adaptive Spectrum and Signal Alignment, Inc. (ASSIA)**, a corporation organized under the laws of the State of California, having a place of business at **333 Twin Dolphin Drive, Redwood City, CA 94065**, is the **Assignee** of the patents and patent applications as listed on the attached Appendix A to this Assignment;

IN consideration of good and valuable consideration, the receipt of which is hereby acknowledged,

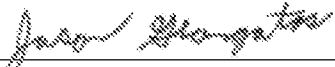
WHICH has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignor conveys all present and all future rights in the patents and patent applications, as listed on the attached Appendix A to this Assignment, to said Assignee;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and all rightful

oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



NAME Jason Georgatos
TITLE Manager, Partners for Growth IV, LLC
Its General Partner
Partners For Growth, IV, L.P.
1660 Tiburon Blvd. Suite D
Tiburon, CA 94920

9/15/16
DATE

APPENDIX A

Patent / Publication No.

8972549
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