

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
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	ADAPTRUM, INC.	12/15/2022
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State/Country:	CHINA	
PROPERTY NUMBERS Total: 8		
Property Type	Number	
Patent Number:	8559891	
Patent Number:	7945215	
Patent Number:	8509706	
Patent Number:	8175191	
Patent Number:	8483319	
Patent Number:	10108757	
Patent Number:	11361126	
Application Number:	17806054	
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Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATIONS

This Assignment of Patent Applications is made by and between **Adaptrum, Inc.**, a California corporation, having an address at 4425 Fortran Drive, Suite 70, San Jose, California, 95134, USA, hereinafter “Assignor,” and **Siliconwaves Technologies Co. Ltd.**, a Chinese corporation, having an address at Tower C, Cygnus Building, 90 Jinghui East Road, Wuxi City, PRC, hereinafter Assignee.

“Patent Assets” include, without limitation, the patents and patent applications identified in an **Schedule** attached to this Assignment and all other patents, U.S. or international, owned by or licensed to Assignor and used in or necessary for the conduct of Assignor’s business.

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor does sell, assign, and convey unto Assignee, or its designees, all right, title, and interest that exists today and may exist in the future in and to the Patent Assets, including, without limitation, the right to claim priority rights deriving from any Patent Asset and the right to sue for, settle and release past, present, and future infringement of any Patent Asset.

Assignor does sell, assign, and convey unto Assignee in and to all patent rights and inventions (whether known or unknown), including patents not listed in the Schedule, to which Assignor has an interest in, all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patents and Registrations which may hereafter be granted on from these in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Assignee and Assignee’s successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any provisional, nonprovisional, division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

Assignor further agrees that he will, without charge to Assignee, but at Assignee’s expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee’s successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated.

/ HAIYUN TANG /

December 15, 2022

Haiyun Tang
Founder and CEO
Adaptrum, Inc.

Date

Receipt acknowledged by

/ HAIYUN TANG /

December 15, 2022

Haiyun Tang
CEO
Siliconwaves Technologies Co. Ltd.

Date

SCHEDULE

	Patent Title	Patent Application No. / Patent or Publication No.	Filing Date / Issue or Publication Date
1	System and Method for Cognitive Radio (ADAPP011P)	60/890,801	02/20/2007
2	High Dynamic Range Transceiver For Cognitive Radio (ADAPP011D1)	13/190,417 8,559,891	07/25/2011 10/15/2013
3	Adaptive Transmission Power Control for Cognitive Radio (ADAPP012)	12/034,647 7,945,215	02/20/2008 05/17/2011
4	Adaptive Transmission Power Control For Cognitive Radio (ADAPP012C1)	13/108,784 8,509,706	05/16/2011 08/13/2013
5	Combined Sensing Methods for Cognitive Radio (ADAPP013)	12/070,831 8,175,191	02/20/2008 05/08/2012
6	Adaptive Transmission Power Control for Cognitive Radio (ADAPP013C1)	13/463,754 8,483,319	05/03/2012 07/09/2013
7	System and Method for Spectrum Usage Databases for Cognitive Radio (ADAPP015P)	61/523,798	08/15/2011
8	System and Method for Spectrum Usage Databases for Cognitive Radio (ADAPP015)	13/586,813 10,108,757	08/15/2012 10/23/2018
9	Spectrum Usage Databases for Cognitive Radio (ADAPP015C1)	16/168,659 11,361,126	10/23/2018 06/14/2022
10	Spectrum Usage Databases for Cognitive Radio (ADAPP015C2)	17/806,054	06/08/2022
11	High Dynamic Range Transceiver for Cognitive Radio (ADAPT-01001US)	12/034,633 US2008-0207136A1	02/20/2008 08/28/2008
12	Combined Sensing Methods For Cognitive Radio (ADAPT-01003CON2)	13/936,993 US2014-0018008A1	07/08/2013 01/16/2014
13	High Dynamic Range Transceiver for Cognitive Radio (ADAPT-01001DIV2)	13/949,133 US2013/0308062A1	07/23/2013 11/21/2013
14	Digital Predistortion for Cognitive Radio (ADAPT-01004US)	12/034,653 US2008-0212725A1	02/20/2008 09/04/2008

	Patent Title	Patent Application No. / Patent or Publication No.	Filing Date / Issue or Publication Date
15	Access Control Layer (ACL), User Profile and Access Portal for Adaptive and Optimal Network Access in a Cognitive Radio Network (ADAPT-01006)	61/533,778	09/12/2011
16	Access Control Layer (ACL), User Profile, and Access Portal for Adaptive and Optimal Network Access in a Cognitive Radio Network (ADAPT-01006B)	61/535,352	09/15/2011
17	System and Method for Services for Cognitive Radio (ADAPT-01006CIP1)	13/831,081	03/14/2013
18	System and Method for Services for Cognitive Radio (ADAPT-01006US)	13/620,740	09/15/2012
19	System and Method for Seamless Network Connectivity with Mobile User Devices (ADAPT-01007)	61/785,656	03/14/2013
20	System and Method for Seamless Network Connectivity with Mobile User Devices (ADAPT-01007US)	14/213,724	03/14/2014
21	Feedback Based Locationing Service (ADAPT-01009US)	62/061,090	10/07/2014
22	High Dynamic Range Transceiver For Cognitive Radio (ADAPT-11001)	PCT/US08/54476 WO/2008/103769	02/20/2008 08/28/2008
23	Adaptive Transmission Power Control For Cognitive Radio (ADAPT-11002)	PCT/US08/54478 WO/2008/103771	02/20/2008 08/28/2008
24	Combined Sensing Methods For Cognitive Radio (ADAPT-11003)	PCT/US08/02388 WO/2008/103468	02/20/2008 08/28/2008
25	Digital Predistortion For Cognitive Radio (ADAPT-11004)	PCT/US08/54480 WO/2008/103773	02/20/2008 08/28/2008