

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3117550

<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>
GAINSPAN CORPORATION	11/17/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SIGMA PARTNERS 7, L.P., AS COLLATERAL AGENT
<b>Street Address:</b>	156 DIABLO ROAD, SUITE 320
<b>City:</b>	DANVILLE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94526
<b>PROPERTY NUMBERS Total: 8</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13459272
Application Number:	13462852
Application Number:	13719255
Application Number:	13735051
Application Number:	13754922
Application Number:	13848731
Application Number:	13854178
Application Number:	13886276
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)693-2222
<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>	4156932000
<b>Email:</b>	crhem@cooley.com
<b>Correspondent Name:</b>	COOLEY LLP
<b>Address Line 1:</b>	101 CALIFORNIA STREET, 5TH FLOOR
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	305776-100 GAINSPAN CORP
<b>NAME OF SUBMITTER:</b>	C. RHEM
<b>SIGNATURE:</b>	/CR/
<b>DATE SIGNED:</b>	11/20/2014

PATENT

**Total Attachments: 11**

source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page1.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page2.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page3.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page4.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page5.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page6.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page7.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page8.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page9.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page10.tif  
source=GainSpan -- Nov. 2014 Bridge -- IP Security Agreement (Sigma)#page11.tif

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (“Agreement”) is entered into as of November 17, 2014 by and between SIGMA PARTNERS 7, L.P. (“Collateral Agent”) and GAINSPAN CORPORATION (“Grantor”).

### RECITALS

A. Silicon Valley Bank (“Bank”) has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the “Loans”) in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated November 2, 2011 (as the same may be amended, modified or supplemented from time to time, the “Loan Agreement”).

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

C. Grantor and certain investors (the “Investors”) have entered into that certain Secured Subordinated Convertible Promissory Note Purchase Agreement, dated as of the date hereof (the “Purchase Agreement”), pursuant to which Grantor has issued or will issue secured subordinated promissory notes (as amended, modified or otherwise supplemented from time to time, each a “Note” and collectively, the “Notes”) for up to a maximum aggregate principal amount of \$5,000,000 in favor of the Investors.

D. In order to induce each Investor to extend the credit evidenced by the Notes, Grantor has agreed to enter into this Intellectual Property Security Agreement and to grant Collateral Agent, for the benefit of itself and the other Investors, the security interest in the Intellectual Property Collateral described below.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

1. Grant of Security Interest. To secure its obligations under the Loan Agreement, Grantor grants and pledges to Collateral Agent, for the benefit of itself and the other Investors, a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the “Intellectual Property Collateral”), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the “Copyrights”);

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Collateral Agent.

Grantor hereby authorizes Collateral Agent to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which Grantor obtains subsequent to the date of this Agreement and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

3. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Bank with respect to the Intellectual

Property Collateral are as provided by the Loan Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

4. Representations of Grantor. Grantor represents and warrants as follows: Exhibit A sets forth a list of all of Grantor's registered copyrights and applications for registration of copyrights; Exhibit B sets forth a list of all of Grantor's patents and patent applications; Exhibit C sets forth a list of all of Grantor's federally registered trademarks and applications for federal registration of trademarks; and Exhibit D sets forth a list of all of Grantor's registered mask works and applications for registration of mask works.

5. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

6. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

7. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction).

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

GAINSPAN CORPORATION

\_\_\_\_\_ *James A. Wetton*

By: \_\_\_\_\_ *Dennis A. Wickman*

Title: \_\_\_\_\_ *CFO*

COLLATERAL AGENT:

SIGMA PARTNERS 7, L.P.

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

[SIGNATURE PAGE TO IP SECURITY AGREEMENT – COLLATERAL AGENT]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

GAINSPAN CORPORATION

\_\_\_\_\_  
By: \_\_\_\_\_

Title: \_\_\_\_\_

COLLATERAL AGENT:

SIGMA PARTNERS 7, L.P.

*Lawrence G. Finch*  
\_\_\_\_\_  
By: \_\_\_\_\_

Title: *Man Dir.*  
\_\_\_\_\_

[SIGNATURE PAGE TO IP SECURITY AGREEMENT – COLLATERAL AGENT]

EXHIBIT A

Copyrights

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

N/A



EXHIBIT B

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
Optimum power management of system on chip based on tiered states of operation	7,941,682	Granted 5-10-11
Management of Configuration Data Using Persistent Memories Requiring Block-Wise Erase Before Rewriting	8,321,626	Granted 11-27-12
Enabling Wireless Clients For Low-Power Operation When Clients Require Control Messages From External Sources For Communication	8,526,604	Granted 9-3-13
Correction Of Clock Errors In A Wireless Station To Enable Reduction Of Power Consumption	8,867,421	Granted 10-21-14
Reducing The Size Of Volatile Memory In An End Device Designed To Operate With Multiple Versions Of Internet Protocol	8,583,812	Granted 11-12-13
Reducing Power Consumption In A Device Operating As An Access Point Of A Wireless Local Area Network	8,761,066	Granted 6-24-14
Populating Data Structures Of Software Applications With Input Data Provided According To Extensible Markup Language (Xml)	20130290377 13/459272	FILED in US 4-30-2012
Convenient Provisioning Of Embedded Devices With Wi-Fi Capability	8,665,744	Granted 3-4-14
Facilitating Communication Between Resource-Constrained Devices And Wireless Communication Terminals	8,755,404	Granted 6-17-14
Providing Connectivity To End Devices Using Wireless Local Area Network Technologies	20130294426 13/462852	FILED in US 5-3-2012
Extended Connectivity Based On Wireless Paths Between Stations Of A Wireless Local Area Network (WLAN)	20140169349 13/719255	FILED in US 12-19-2012

Reliable Delivery Of Data Specified For Transmission By Multicasting In Wireless Networks	20140192691 13/735051	FILED in US 1-3-2013
Advantageous Uses Of Instructions Instructing Stations Of WLAN Networks To Desist From Transmissions.	20140211674 13/754922	FILED 1-31-2013
Wireless Device With WLAN And Wpan Communication Capabilities	20140286211 13/848731	FILED 3-22-2013
Providing Binary Images Customized For Different Users In Memory Space Constrained Environments	20140297714 13/854178	FILED 4-12-2013
Provisioning A Wireless Device For Secure Communication Using An Access Point Designed With Push Button Mode Of Wps (Wi-Fi Protected Setup).	20140328334 13/886276	FILED 5-3-2013
Convenient Use Of Push Button Mode Of Wps (Wi-Fi Protected Setup) For Provisioning Wireless Devices	20140328334 13/886276	FILED 5-31-2013
Provisioning Of Multiple Wireless Devices By An Access Point	8,862,096	Granted 10-14-14
Maintaining Routing Information In Memory Constrained Routers	N/A	FILED 1-23-2014
Group Provisioning Of Wireless Stations Of A Local Area Network (WLAN)	N/A	FILED 3-6-2014
Rate Adaptation For Wi-Fi Based Wireless Sensor Devices	N/A	FILED October 2013
Layer-3 Mesh Connectivity of Wireless Local Networks	N/A	FILED 9-10-2014
Security for group addressed data packets in wireless networks	N/A	FILED 9-17-2014
Enhanced connectivity to end devices via access points of wireless local area networks (WLAN)	N/A	FILED 10-20-2014
Communication between wireless devices capable of communicating using multiple MAC protocols	N/A	FILED 10-15-2014

Improved Communication protocol between access point and wireless station	N/A	FILED 10-20-2014
Reducing power consumption in wireless stations with limited memory	N/A	FILED 10-24-2014
Reducing power consumption in wireless stations providing network connectivity for embedded devices	N/A	FILED 10-24-2014
Operating a wireless receiver of a wireless station in power-saving mode	N/A	FILED 11-11-2014
Reducing power consumption in wireless stations executing various client applications	N/A	FILED 11-11-2014

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
GAINSPAN & Design  Published for Opposition October 2, 2007.	Serial Number 77122544	March 5, 2007
GSLINK  Abandoned November 19, 2012.	Serial Number 85530325	January 31, 2012
SDK-BUILDER  Abandoned November 19, 2012.	Serial Number 85529076	January 30, 2012

EXHIBIT D

Mask Works

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

N/A