

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5331415

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
GIGAMEDIA ACCESS CORPORATION	01/17/2019

RECEIVING PARTY DATA

Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	270 PARK AVENUE, 43RD FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 15

Property Type	Number
Patent Number:	5991778
Patent Number:	6070174
Patent Number:	6212600
Patent Number:	6256646
Patent Number:	6314437
Patent Number:	6553466
Patent Number:	6804784
Patent Number:	6986058
Patent Number:	7039806
Patent Number:	7096326
Patent Number:	7103783
Patent Number:	7484245
Application Number:	10212742
Application Number:	11542766
Application Number:	11702688

CORRESPONDENCE DATA

Fax Number: (858)638-5130

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: 619-699-2700

Email:	susan.reynholds@dlapiper.com
Correspondent Name:	DLA PIPER LLP (US)
Address Line 1:	401 B STREET, SUITE 1700
Address Line 4:	SAN DIEGO, CALIFORNIA 92101

NAME OF SUBMITTER:	MATT SCHWARTZ
---------------------------	---------------

SIGNATURE:	/s/ Matt Schwartz
-------------------	-------------------

DATE SIGNED:	01/17/2019
---------------------	------------

Total Attachments: 8

source=JPM-GigaMedia-IP Security Agreement (1.2019)#page1.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page2.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page3.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page4.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page5.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page6.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page7.tif
source=JPM-GigaMedia-IP Security Agreement (1.2019)#page8.tif

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement ("Agreement") is entered into as of January 17, 2019 by and between JPMORGAN CHASE BANK, N.A., in its capacity as administrative agent (the "Administrative Agent") for the lenders party to the Credit Agreement referred to below, and GIGAMEDIA ACCESS CORPORATION, a Delaware corporation ("Grantor").

RECITALS

A. Administrative Agent 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 Credit Agreement by and among Administrative Agent, the Lenders party thereto, and Grantor dated the date hereof (as the same may be amended, modified or supplemented from time to time, collectively, the "Credit Agreement"). Administrative Agent is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Administrative Agent a security interest in the Collateral, including certain Copyrights, Trademarks and Patents (as each term is described below) to secure the obligations of Grantor under the Credit Agreement.

B. Pursuant to the terms of the Security Agreement, dated as of the date hereof (as the same may be amended, modified or supplemented from time to time, the "Security Agreement"; capitalized terms used herein are used as defined in the Credit Agreement), by and between Administrative Agent and Grantor, Grantor has granted to Administrative Agent 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.

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 Credit Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

1. Grant of Security Interest. Grantor grants and pledges to Administrative Agent 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");

(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, or Trademarks, 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, or Patents; 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.

Notwithstanding the foregoing, the Intellectual Property Collateral does not include (a) any intent-to-use trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise; or (b) rights held under a license that are not assignable by their terms without the consent of the licensor thereof (but only to the extent such restriction on assignment is enforceable under applicable law).

2. Recordation. The parties hereto authorize and request that the Commissioner of Patents, the Commissioner for Trademarks and the Register of Copyrights of the United States record this security interest in the Intellectual Property Collateral.

3. Authorization. Grantor hereby authorizes Administrative 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.

4. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Administrative Agent with respect to the Intellectual Property Collateral are as provided by the Credit Agreement, Security Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

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 New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

[Balance of Page Intentionally Left Blank]

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:

GIGAMEDIA ACCESS CORPORATION

By: 
Name: Robert Bernardi
Title: Chief Executive Officer

ADMINISTRATIVE AGENT:

JPMORGAN CHASE BANK, N.A.,
as Administrative Agent

By: _____

Name: _____

Title: _____

[Signature Page to Intellectual Property Security Agreement]

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:

GIGAMEDIA ACCESS CORPORATION

By: _____

Name: Robert Bernardi

Title: Chief Executive Officer

ADMINISTRATIVE AGENT:

JPMORGAN CHASE BANK, N.A.,

as Administrative Agent

By: _____

Name: Justin Kelley

Title: Authorized Signer

[Signature Page to Intellectual Property Security Agreement]

PATENT

REEL: 048052 FRAME: 0669

EXHIBIT A

Copyrights

<u>Description</u>	<u>Registration Number</u>	<u>Registration Date</u>
GigaTrust Desktop Client	TX0007953645	8/28/2014
GigaTrust E-Discovery Agent	TX0007953649	8/28/2014
GigaTrust Enterprise Plus	TX0007953666	8/28/2014
GigaTrust for Android	TX0007953670	8/28/2014
GigaTrust for BlackBerry 10	TX0007953637	8/28/2014
GigaTrust for File Floders	TX0007953647	8/28/2014
GigaTrust for iPhone and iPad – Expanding the Security for Smart Mobile Devices	TX0007953669	8/28/2014
GigaTrust Journal Decryption Agent	TX0007953654	8/28/2014
GigaTrust Protector for Exchange	TX0007953659	8/28/2014
GigaTrust Protector for Open Text	TX0007953660	8/28/2014
GigaTrust Protector for SharePoint	TX0007953661	8/28/2014

EXHIBIT B

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Application/ Issue Date</u>
Method and apparatus for real-time secure file deletion	5991778	11/23/1999
Method and apparatus for real-time secure file deletion	6070174	5/30/2000
Method and apparatus for sanitization of fixed storage devices	6212600	4/3/2001
Method and system for identifying the state of a media device by monitoring file system calls	6256646	7/3/2001
Method and apparatus for real-time secure file deletion	6314437	11/6/2001
Shared memory blocking method and system	6553466	4/22/2003
Back-channeling in a memory vault system	6804784	10/12/04
Method and system for providing data security using file spoofing	6986058	1/10/2006
Method and apparatus for packaging and transmitting data	7039806	5/2/2006
Registry monitoring system and method	7096326	8/22/2006
Method and system for providing data security in a file system monitor with stack positioning	7103783	9/5/2006
System and method for providing data security	7484245	1/27/2009
Hybrid system architecture for secure peer-to-peer-communications	10212742	8/7/2002
System and method for digital rights management with license proxy	11542766	10/4/2006
System and method for digital rights management with license proxy for mobile wireless platforms	11702688	2/5/2007

EXHIBIT C

Trademarks

<u>Description</u>	Serial Application <u>Number</u>	Filing <u>Date</u>
GIGATRUST	87153620	8/29/2016
GIGACLOUD	87485658	6/12/2017
GIGACLOUD	86787790	10/14/2015