

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
	Name	Execution Date
	INTERTRUST TECHNOLOGIES CORPORATION	03/13/2020
RECEIVING PARTY DATA		
Name:	ORIGIN FUTURE ENERGY PTY LTD	
Street Address:	437 KIPLING STREET	
City:	PALO ALTO	
State/Country:	CALIFORNIA	
Postal Code:	94301	
PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Application Number:	16778934
	Application Number:	62800103
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DATE SIGNED:	04/16/2020	
Total Attachments: 23		
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this "**Agreement**"), dated as of March 13, 2020, is entered into between Intertrust Technologies Corporation, a Delaware corporation ("**Grantor**"), and Origin Future Energy Pty Ltd ("**Agent**"), for the ratable benefit of the Lenders (as defined below).

RECITALS

WHEREAS, Grantor is entering into a secured notes financing transaction (the "**Note Financing Transaction**") with lenders (the "**Lenders**") pursuant to the terms of the Secured Convertible Note Purchase Agreement, dated as of the date hereof, between the Company and the Lenders (the "**Note Purchase Agreement**"; capitalized terms used herein without definition have the meanings assigned to them in the Note Purchase Agreement); and

WHEREAS, it is a condition precedent to the effectiveness of the Note Purchase Agreement that Grantor enter into this Agreement with Agent and grant Agent, for the ratable benefit of the Lenders, a security interest in and Lien on all of Grantor's intellectual property as set forth below;

NOW, THEREFORE, IT IS AGREED THAT:

1. **Grant of Security Interest.** To secure the timely payment and performance of the Obligations under the Note Purchase Agreement, Grantor grants and pledges to Agent, for the ratable benefit of the Lenders, a security interest in and lien on all of Grantor's right, title and interest in, to and under its intellectual property (collectively, the "**Intellectual Property Collateral**"), including, without limitation, the following:

(a) All present and future United States registered copyrights and copyright registrations, including, without limitation, the registered copyrights, Mask Works, computer programs and other rights subject to United States copyright protection listed in **Exhibit A** attached hereto (and including all of the exclusive rights afforded a copyright registrant in the United States under 17 U.S.C. Section 106 and any exclusive rights which may in the future arise by act of Congress or otherwise), and all present and future applications for copyright registrations (including applications for copyright registrations of derivative works and compilations) (collectively, the "**Registered Copyrights**"), and any and all royalties, payments and other amounts payable to Grantor in connection with the Registered Copyrights, together with all renewals and extensions of the Registered Copyrights, the right to recover for all past, present and future infringements of the Registered Copyrights, and all computer programs and tangible property embodying or incorporating the Registered Copyrights, and all other rights of every kind whatsoever accruing thereunder or pertaining thereto;

(b) All present and future copyrights, Mask Works, computer programs and other rights subject to (or capable of becoming subject to) United States copyright protection which are not registered in the United States Copyright Office (collectively, the "**Unregistered Copyrights**"), whether now owned or hereafter acquired, and any and all royalties, payments, and other amounts payable to Grantor in connection with the Unregistered Copyrights, together with all renewals and extensions of the Unregistered Copyrights, the right to recover for all past, present and future infringements of the Unregistered Copyrights, and all computer programs and all tangible property embodying or incorporating the Unregistered Copyrights, and all other rights of every kind whatsoever accruing thereunder or pertaining thereto. The Registered Copyrights and the Unregistered Copyrights collectively are referred to herein as the "**Copyrights**";

- (c) All present and future license agreements with respect to the Copyrights;
- (d) All present and future accounts, accounts receivable, royalties, and other rights to payment arising from, in connection with, or relating to the Copyrights;
- (e) All trade secrets;
- (f) All intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;
- (g) All design rights available to Grantor now or hereafter existing, created, acquired or held;
- (h) All patents, patent applications and similar 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**");
- (i) All trademark and servicemark rights, whether registered or not, applications to register (other than "intent to use" applications until a verified statement of use is filed with respect to such applications) 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**");
- (j) 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**");
- (k) All claims for damages by way of past, present and future infringements of any of the rights included above, along with the right, but not the obligation, to sue for and collect such damages for such infringement;
- (l) 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 licenses or rights;
- (m) All amendments, extensions and renewals of any of the Copyrights, Trademarks, Patents or Mask Works; and
- (n) All proceeds of the foregoing, including, without limitation, all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing and all license royalties and proceeds of infringement suits, and all rights corresponding to the foregoing throughout the world and all re-issues, divisions, continuations, renewals, extensions and continuations-in-part of the foregoing.

2. Recordation. Grantor authorizes and requests 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 Agent.

3. Supplements. Grantor authorizes Agent (a) to amend this Agreement unilaterally by supplementing the Exhibits to add any Intellectual Property Collateral that Grantor obtains after the date

of this Agreement, and (b) to 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 (a) the Note Purchase Agreement, and (b) the Security Agreement, dated as of the date hereof, between Grantor and Agent (the "**Security Agreement**"), each of which is incorporated by reference. The provisions of the Note Purchase Agreement and the Security Agreement shall supersede and control over any conflicting or inconsistent provision of this Agreement. The rights and remedies of Agent with respect to the Intellectual Property Collateral are as provided by the Note Purchase Agreement, the Security Agreement and the other Loan Documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

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

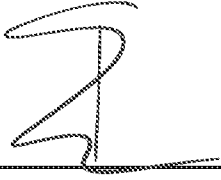
6. **Governing Law.** The validity, interpretation, construction and performance of this Agreement, and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of California, without giving effect to principles of conflicts of law. Any dispute arising out of this Agreement or the matters related hereto shall be exclusively heard in the applicable state or federal court in the County of Santa Clara, California.

7. **Counterparts.** This Agreement may be executed in counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same agreement. If any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

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IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective duly authorized officers as of the date first above written.

**INTERTRUST TECHNOLOGIES
CORPORATION**

By: 
Name: Talal G. Shamoon
Title: Chief Executive Officer

ORIGIN FUTURE ENERGY PTY LTD

By: 
Name: Anthony Lucas
Title: Executive General Manager, Future Energy & Business Development

EXHIBIT A

Copyrights

<u>Title</u>	<u>Registration No.</u>	<u>Date</u>
Intertrust sphere logo	VA0000985879	2/24/2000

EXHIBIT BPatents

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
Multimodal voice dialing digital key telephone with dialog manager	5892813	4/6/1999
Systems and methods for secure transaction management and electronic rights protection	5892900	4/6/1999
Systems and methods for secure transaction management and electronic rights protection	5910987	6/8/1999
Systems and methods for secure transaction management and electronic rights protection	5915019	6/22/1999
System and methods for secure transaction management and electronic rights protection	5917912	6/29/1999
Techniques for defining using and manipulating rights management data structures	5920861	7/6/1999
Licensing management system and method in which datagrams including an address of a licensee and indicative of use of a licensed product are sent from the licensee's site	5940504	8/17/1999
Steganographic techniques for securely delivering electronic digital rights management control information over insecure communication channels	5943422	8/24/1999
Systems and methods for secure transaction management and electronic rights protection	5949876	9/7/1999
Systems and methods for secure transaction management and electronic rights protection	5982891	11/9/1999
Text file compression system utilizing word terminators	5999949	12/7/1999
Systems and methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information	6112181	8/29/2000
Techniques for defining, using and manipulating rights management data structures	6138119	10/24/2000
Systems and methods using cryptography to protect secure computing environments	6157721	12/5/2000
Trusted and secure techniques, systems and methods for item delivery and execution	6185683	2/6/2001
Unsupervised speech model adaptation using reliable information among n-best strings	6205426	3/20/2001
Systems and methods for secure transaction management and electronic rights protection	6237786	5/29/2001
Steganographic techniques for securely delivering electronic digital rights management control information over insecure communication channels	6240185	5/29/2001
Systems and methods for the secure transaction management and electronic rights protection	6253193	6/26/2001
Systems and methods using cryptography to protect secure computing	6292569	9/18/2001

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
environments		
Apparatus and method using speech understanding for automatic channel selection in interactive television	6314398	11/6/2001
Systems and methods for secure transaction management and electronic rights protection	6363488	3/26/2002
Operation indication outputting device for giving operation indication according to type of user's action	6369794	4/9/2002
Systems and methods for secure transaction management and electronic rights protection	6389402	5/14/2002
Systems and methods for secure transaction management and electronic rights protection	6427140	7/30/2002
Steganographic techniques for securely delivering electronic digital rights management control information over insecure communication channels	6449367	9/10/2002
Speech recognition training for small hardware devices	6463413	10/8/2002
Automatic search of audio channels by matching viewer-spoken words against closed-caption/audio content for interactive television	6480819	11/12/2002
Automobile data archive system having securely authenticated instrumentation data storage	6490513	12/0/2002
Method of integrating subscriber based traffic navigation and hospitality data with a global positioning system	6546337	4/8/2003
Universal remote control allowing natural language modality for television and multimedia searches and requests	6553345	4/22/2003
System and associated method of integration subscriber based traffic navigation and hospitality data with a global positioning system	6574556	6/3/2003
Recording / reproducing apparatus, program recorded medium, recorded medium, cache device, and transmitter	6584552	6/24/2003
Method for natural dialog interface to car devices	6598018	7/22/2003
Steganographic techniques for securely delivering electronic digital rights management control information over insecure communication channels	6618484	9/9/2003
Systems and methods for secure transaction management and electronic rights protection	6640304	10/28/2003
Voice activated controller for recording and retrieving audio/video programs	6643620	11/4/2003
Device authentication and encrypted communication system offering increased security	6654883	11/25/2003
Trusted infrastructure support system, methods and techniques for secure electronic commerce transaction and rights management	6658568	12/2/2003
Obfuscation techniques for enhancing software security	6668325	12/23/2003
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	6785815	8/31/2004
Systems and methods for protecting data secrecy and integrity	6832316	12/14/2004

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
IC card and electronic devices	6899277	5/31/2005
System and method for accessing TV related information over the internet	6901366	5/31/2005
System and method of media file access and retrieval using speech recognition	6907397	6/14/2005
Methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information	6938021	8/30/2005
Systems and methods for secure transaction management and electronic rights protection	6948070	9/20/2005
System and method for managing transaction record delivery using an acknowledgement-monitoring process and a failure-recovery process with modifying the predefined fault condition	6950867	9/27/2005
Systems and methods for authenticating and protecting the integrity of data streams and other data	6959384	10/25/2005
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	6961854	11/1/2005
Ticketing and keying for orchestrating distribution of network content	6973499	12/6/2005
Systems and methods for pricing and selling digital goods	6985885	1/10/2006
Systems and methods for retrofitting electronic appliances to accept different content formats	7050586	5/23/2006
Systems and methods for secure transaction management and electronic rights protection	7051212	5/23/2006
Systems and methods for protecting data secrecy and integrity	7058805	6/6/2006
Techniques for defining, using and manipulating rights management data structures	7062500	6/13/2006
Systems and methods for secure transaction management and electronic rights protection	7069451	6/27/2006
Systems and methods for secure transaction management and electronic rights protection	7076652	7/11/2006
Network content management	7085839	8/1/2006
Methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information	7092914	8/15/2006
Systems and methods for secure transaction management and electronic rights protection	7095854	8/22/2006
Systems and methods for secure transaction management and electronic rights protection	7100199	8/29/2006
Systems and methods for governing content rendering, protection, and management applications	7107448	9/12/2006
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	7107452	9/12/2006
Methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information	7110983	9/19/2006

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
Systems and methods for secure transaction management and electronic rights protection	7120800	10/10/2006
Systems and methods for using cryptography to protect secure computing environments	7120802	10/10/2006
Secure processing unit systems and methods	7124170	10/17/2006
Systems and methods for secure transaction management and electronic rights protection	7124302	10/17/2006
System and methods for secure transaction management and electronic rights protection	7133845	11/7/2006
Digital certificate support system, methods and techniques for secure electronic commerce transaction and rights management	7133846	11/7/2006
Systems and methods for conducting transactions and communications using a trusted third party	7136840	11/14/2006
Systems and methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information	7143066	11/28/2006
Trusted and secure techniques, systems and methods for item delivery and execution	7143290	11/28/2006
Establishing a secure channel with a human user	7149899	12/12/2006
Trusted storage systems and methods	7152165	12/19/2006
Trusted infrastructure support systems, methods and techniques for secure electronic commerce transaction and rights management	7165174	1/16/2007
Systems and methods for retrofitting electronic appliances to accept different content formats	7190792	3/13/2007
Systems and methods for managing and protecting electronic content and applications	7213266	5/1/2007
Portable device, IC module, IC card, and method for using services	7232061	6/19/2007
Methods and apparatus for persistent control and protection of content	7233948	6/19/2007
Systems and methods for using cryptography to protect secure and insecure computing environments	7243236	7/10/2007
Network communications security agent	7266681	9/4/2007
Method, system, device and computer program for mutual authentication and content protection	7275161	9/25/2007
Trusted and secure techniques, systems and methods for item delivery and execution	7281133	10/9/2007
Trust management systems and methods	7313692	12/25/2007
Authentication method, system and apparatus of an electronic value	7325132	1/9/2008
Network content management	7330898	2/12/2008
Information processing system using IC tags	7336179	2/26/2008
Systems and methods for authenticating and protecting the integrity of data	7340602	3/4/2008

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
streams and other data		
Dialog supporting apparatus	7346515	3/18/2008
Public key certificate revocation list generation apparatus, revocation judgement apparatus, and authentication system	7373503	5/13/2008
Secure authentication systems and methods	7383570	6/3/2008
Electronic ticket, electronic wallet, and information terminal	7392226	6/24/2008
Trusted and secure techniques, systems and methods for item delivery and execution	7392395	6/24/2008
Content reproduction device	7394892	7/21/2008
Trust management systems and methods	7395550	7/1/2008
Data protection systems and methods	7406603	7/29/2008
Trusted infrastructure support systems, methods and techniques for secure electronic commerce, electronic transactions, commerce process control and automation, distributed computing, and rights management	7415617	8/19/2008
Secure processing unit systems and methods	7430585	9/30/2008
Software self-defense systems and methods	7430670	9/30/2008
Network communications security agent	7454609	11/18/2008
Information retrieval apparatus	7483921	1/27/2009
Encryption apparatus, decryption apparatus, secret key generation apparatus, and copyright protection system	7484090	1/27/2009
Ticketing and keying for orchestrating distribution of network content	7500006	3/3/2009
Dialog supporting device	7512538	3/31/2009
Methods and systems for transaction record delivery using thresholds and multi-stage protocol	7523194	4/21/2009
Encryption apparatus, decryption apparatus, secret key generation apparatus, and copyright protection system and a cipher communication device	7542568	6/2/2009
Dialog supporting device	7562006	7/14/2009
System and methods for managing the distribution of electronic content	7580988	8/25/2009
Systems and methods using cryptography to protect secure computing environments	7581092	8/25/2009
Software self-checking systems and methods	7581103	8/25/2009
Trusted and secure techniques, systems and methods for item delivery and execution	7587369	9/8/2009
Systems and methods using cryptography to protect secure computing environments	7590853	9/15/2009
Authentication system	7657739	2/2/2010
Terminal apparatus, server, content data storage method, and program for executing the method	7660722	2/9/2010

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
Mobile terminal and method of managing data reception using the mobile terminal	7664487	2/16/2010
Terminal apparatus, server apparatus, and digital content distribution system	7676042	3/9/2010
Application execution device, application execution method, integrated circuit, and computer readable program	7676847	3/9/2010
Trusted storage systems and methods	7681240	3/16/2010
Actual cooking result management method, content management method, server, and cooking apparatus	7685256	3/23/2010
Systems and methods for using cryptography to protect secure and insecure computing environments	7689827	3/30/2010
Systems and methods for protecting data secrecy and integrity	7694133	4/6/2010
Systems and methods for managing and protecting electronic content and applications	7694342	4/6/2010
Authentication server, method and system for detecting unauthorized terminal	7698743	4/13/2010
Secure authentication systems and methods	7703130	4/20/2010
Terminal device, server device, and content distribution system	7721088	5/18/2010
Information retrieval apparatus	7725486	5/25/2010
Systems and methods using cryptography to protect secure computing environments	7734553	6/8/2010
Systems and methods for watermarking software and other media	7739511	6/15/2010
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	7747858	6/29/2010
Dialog supporting apparatus that selects similar dialog histories for utterance prediction	7752051	7/6/2010
Systems and methods for secure transaction management and electronic rights protection	7752466	7/6/2010
Access control device and electronic device	7752655	7/6/2010
Socket based passive server	7760628	7/20/2010
Systems and methods using cryptography to protect secure computing environments	7761916	7/20/2010
Systems and methods for watermarking software and other media	7770016	8/3/2010
Health care system, key management server and method for managing key, and encrypting device and method for encrypting vital sign data	7774852	8/10/2010
Software self-defense systems and methods	7779270	8/17/2010
Software self-defense systems and methods	7779394	8/17/2010
Content display device and content display method	7783419	8/24/2010
Wireless communications terminal, communications protocol switching method, communications protocol switching program, and integrated circuit of wireless communications terminal	7796949	9/14/2010

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
Methods and apparatus for persistent control and protection of content	7809138	10/5/2010
Encrypted communication system and communication device	7813512	10/12/2010
Methods and apparatus for persistent control and protection of content	7822201	10/26/2010
Software self-defense systems and methods	7823135	10/26/2010
Systems and methods for conducting transactions and communications using a trusted third party	7827114	11/2/2010
Contents retrieval device for retrieving contents that a user wishes to view from among a plurality of contents	7831610	11/9/2010
Systems and methods for secure transaction management and electronic rights protection	7831823	11/9/2010
Authentication communication system, authentication communication apparatus, and authentication communication method	7831831	11/9/2010
Dialog supporting apparatus	7835914	11/16/2010
Systems and methods for secure transaction management and electronic rights protection	7844835	11/30/2010
Information providing device	7856311	12/21/2010
Content delivery apparatus and content reproduction apparatus	7860376	12/28/2010
Systems and methods for authenticating and protecting the integrity of data streams and other data	7882351	2/1/2011
Systems and methods for managing the distribution of electronic content	7904568	3/8/2011
Systems and methods using cryptography to protect secure computing environments	7904707	3/8/2011
Network communications security agent	7917745	3/29/2011
Systems and methods for secure transaction management and electronic rights protection	7917749	3/29/2011
Systems and methods using cryptography to protect secure computing environments	7925898	4/12/2011
Secure processing unit systems and methods	7930360	4/19/2011
Systems and methods for pricing and selling digital goods	7933829	4/26/2011
Systems and methods for protecting data secrecy and integrity	7940928	5/10/2011
Secure authentication systems and methods	7941836	5/10/2011
Systems and methods for rapidly enabling brew-based wireless handsets for content development	7970393	6/28/2011
Trust management systems and methods	7971055	6/28/2011
System and method for generating a plaintext / cyphertext database for use in device authentication	7971058	6/28/2011
Speech recognition apparatus and speech recognition method	7979276	7/12/2011
Methods and systems for transaction record delivery using thresholds and	7979542	7/12/2011

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
multi-stage protocol		
Systems and methods for secure transaction management and electronic rights protection	7984509	7/19/2011
Systems and methods for retrofitting electronic appliances to accept different content formats	7987514	7/26/2011
Mobile electronic commerce system	7991694	8/2/2011
Software self-checking systems and methods	8001388	8/16/2011
Systems and methods for secure transaction management and electronic rights protection	8006087	8/23/2011
Matching and recommending relevant videos and media to individual search engine results	8037051	10/11/2011
System, apparatus and method for content screening	8055241	11/8/2011
Systems and methods for secure transaction management and electronic rights protection	8055913	11/8/2011
Determining whether a digital rights management system's native license is valid	8060444	11/15/2011
Transit information provision device, method and program	8065072	11/22/2011
Method and system for providing multicast services	8077717	12/13/2011
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	8099601	1/17/2012
Trust management systems and methods	8104075	1/24/2012
Discovering and scoring relationships extracted from human generated lists	8108417	1/31/2012
Trusted storage systems and methods	8209544	6/26/2012
Systems and methods for secure transaction management and electronic rights protection	8112625	2/7/2012
Parental alert and child tracking device which determines if a child has deviated from a predicted travel route	8115625	2/14/2012
Media discovery and playlist generation	8117185	2/14/2012
Methods and apparatus for persistent control and protection of content	8130952	3/6/2012
Systems and methods for watermarking software and other media	8140850	3/20/2012
Systems and methods for secure transaction management and electronic rights protection	8141165	3/20/2012
Biological information utilization system, biological information utilization method, program, and recording medium	8147406	4/3/2012
Systems and methods for secure transaction management and electronic rights protection	8181021	5/15/2012
Systems and methods for secure transaction management and electronic rights protection	8191158	5/29/2012
Trusted infrastructure support systems, methods and techniques for secure	8185473	5/22/2012

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
electronic commerce, electronic transactions, commerce process control and automation, distributed computing, and rights management		
Systems and methods for conducting transactions and communications using a trusted third party	8185478	5/22/2012
Trusted infrastructure support systems, methods and techniques for secure electronic commerce, electronic transactions, and rights management	8190528	5/29/2012
Systems and methods for secure transaction management and electronic rights protection	8191157	5/29/2012
Program retrieval support device for accumulating and searching pieces of program information and corresponding programs and a method for performing the same	8195687	6/5/2012
Establishing a secure channel with a human user	8220036	7/10/2012
Secure authentication systems and methods	8230489	7/24/2012
Interoperable systems and methods for peer-to-peer service orchestration	8234387	7/31/2012
Authentication system and method	8239920	8/7/2012
Systems and methods for secure transaction management and electronic rights protection	8291238	10/16/2012
Communication protocol for device authentication	8296565	10/23/2012
System and method for generating secured authentication image files for use in device authentication	8301888	10/30/2012
Steganographic techniques for securely delivering electronic digital rights management control information over insecure communication channels	8307212	11/6/2012
Systems and methods for secure transaction management and electronic rights protection	8316449	11/20/2012
Methods and systems for transaction record delivery using thresholds and multi-stage protocol	8326983	12/4/2012
Systems and methods for watermarking software and other media	8335924	12/18/2012
Display apparatus with a display device and method of driving the display device	8350803	1/8/2013
Mobile device and method for identifying location thereof	8351958	1/8/2013
Selective sending of portions of electronic content	8352552	1/8/2013
Software self-checking systems and methods	8352747	1/8/2013
Systems and methods for pricing and selling digital goods	8355978	1/15/2013
Systems and methods for watermarking software and other media	8370634	2/5/2013
Software self-defense systems and methods	8387022	2/26/2013
Systems and methods for governing content rendering, protection, and management applications	8397070	3/12/2013
Methods, systems, and apparatus for fragmented file sharing	8402556	3/19/2013
Systems and methods for secure transaction management and electronic rights	8402557	3/19/2013

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protection		
Matching and recommending relevant videos and media to individual search engine results	8433698	4/30/2013
Trusted and secure techniques for item delivery and execution	8443198	5/14/2013
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	8452972	5/28/2013
Trusted storage systems and methods	8464071	6/11/2013
Systems and methods for secure transaction management and electronic rights protection	8464077	6/11/2013
Communication device and communication method	8467726	6/18/2013
Data protection systems and methods	8510849	8/13/2013
Methods and apparatus for persistent control and protection of content	8526610	9/3/2013
Media discovery and playlist generation	8527506	9/3/2013
Trusted and secure techniques for item delivery and execution	8528097	9/3/2013
Systems and methods for secure transaction management and electronic rights protection	8533851	9/10/2013
Systems and methods for secure transaction management and electronic rights protection	8533854	9/10/2013
System and methods for secure transaction management and electronics rights protection	8543842	9/24/2013
Policy determined accuracy of transmitted information	8544103	9/24/2013
Content publishing systems and methods	8565781	10/22/2013
Systems and methods for secure transaction management and electronic rights protection	8572411	10/29/2013
Systems and methods for conducting transactions and communications using a trusted third party	8577812	11/5/2013
Trust-management systems and methods	8578151	11/5/2013
Trusted infrastructure support systems, methods and techniques for secure electronic commerce electronic transactions and rights management	8590056	11/19/2013
Systems and methods for secure transaction management and electronic rights protection	8639625	1/28/2014
Data collection and targeted advertising systems and methods	8660539	2/25/2014
Methods and systems for transaction record delivery using thresholds and multi-stage protocol	8667134	3/4/2014
Systems and methods for secure transaction management and electronic rights protection	8677507	3/18/2014
Digital rights management engine systems and methods	8688583	4/1/2014
Secure authentication systems and methods	8707408	4/22/2014

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Software self-checking systems and methods	8713326	4/29/2014
Trusted infrastructure support systems, methods and techniques for secure electronic commerce transaction and rights management	8751793	6/10/2014
Systems and methods for authenticating and protecting the integrity of data streams and other data	8762711	6/24/2014
Digital rights management engine systems and methods	8776216	7/8/2014
Dynamic media zones systems and methods	8793808	7/29/2014
Tethered device systems and methods	8850195	9/30/2014
Methods and systems for encoding and protecting data using digital signature and watermarking techniques	8850214	9/30/2014
Secure processing systems and methods	8874896	10/28/2014
Systems and methods for watermarking software and other media	8892893	11/18/2014
Trusted storage systems and methods	8904188	12/2/2014
Systems and methods for managing and protecting electronic content and applications	8931106	1/6/2015
Matching and recommending relevant videos and media to individual search engine results	9058394	6/16/2015
Software self-defense systems and methods	9064099	6/23/2015
Trust management systems and methods	9077545	7/7/2015
Data protection systems and methods	9098682	8/4/2015
Systems and methods for conducting transactions and communications using a trusted third party	9123043	9/1/2015
Software self-checking systems and methods	9141788	9/22/2015
Systems and methods using cryptography to protect secure computing environments	9165135	10/20/2015
Discovering and scoring relationships extracted from human generated lists	9177044	11/3/2015
Trusted and secure techniques for item delivery and execution	9195845	11/24/2015
Interoperable systems and methods for peer-to-peer service orchestration	9235833	1/12/2016
Interoperable systems and methods for peer-to-peer service orchestration	9235834	1/12/2016
Trusted storage systems and methods	9251365	2/2/2016
Systems and methods for governing content rendering, protection, and management applications	9298929	3/29/2016
Secure authentication systems and methods	9306938	4/5/2016
Bioinformatic processing systems and methods	9306981	4/5/2016
Interoperable systems and methods for peer-to-peer service orchestration	9317843	4/19/2016
Methods, systems, and apparatus for fragmented file sharing	9344473	5/17/2016
Systems and methods for watermarking software and other media	9350547	5/24/2016

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Information targeting systems and methods	9355157	5/31/2016
Establishing a secure channel with a human user	9356929	5/31/2016
Secure processing systems and methods	9369280	6/14/2016
Systems and methods for authenticating and protecting the integrity of data streams and other data	9401896	7/26/2016
Systems and methods for managing and protecting electronic content and applications	9418210	8/16/2016
Interoperable systems and methods for peer-to-peer service orchestration	9424564	8/23/2016
Tethered device systems and methods	9426133	8/23/2016
Systems and methods for calibrating speakers	9438996	9/6/2016
Interoperable systems and methods for peer-to-peer service orchestration	9466054	10/11/2016
Trust management systems and methods	9485100	11/1/2016
Distributed computation systems and methods	9503512	11/22/2016
Methods and apparatus for persistent control and protection of content	9532005	12/27/2016
Secure processing unit systems and methods	9536111	1/3/2017
Secure computing systems and methods	9558322	1/31/2017
Systems and methods for governing content rendering, protection, and management applications	9569627	2/14/2017
Information security systems and methods	9589110	3/7/2017
Data protection systems and methods	9594923	3/14/2017
Matching and recommending relevant videos and media to individual search engine results	9600533	3/21/2017
Object rendering systems and methods	9626489	4/18/2017
Digital rights management engine systems and methods	9626667	4/18/2017
Trusted storage systems and methods	9641490	5/2/2017
Systems and methods for watermarking software and other media	9659157	5/23/2017
Systems and methods for conducting transactions and communications using a trusted third party	9672514	6/6/2017
Bioinformatic processing systems and methods	9710597	7/18/2017
Spatio-temporal data processing systems and methods	9734220	8/15/2017
Personalized data management systems and methods	9734249	8/15/2017
Activity recognition systems and methods	9736652	8/15/2017
Portable resource management systems and methods	9743246	8/22/2017
Secure transaction systems and methods	9807069	10/31/2017
Systems and methods for vehicle policy enforcement	9813897	11/7/2017
Media discovery and playlist generation	9846744	12/19/2017

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Systems and methods for calibrating speakers	9883315	1/30/2018
Systems and methods for managing and protecting electronic content and applications	9946851	4/17/2018
Software self-checking systems and methods	9953159	4/24/2018
Network security systems and methods	9973535	5/15/2018
Data protection systems and methods	10002239	6/19/2018
Activity recognition systems and methods	10003927	6/19/2018
Information security systems and methods	10009384	6/26/2018
Method, systems, and apparatus for fragmented file sharing	10019557	7/10/2018
Secure authorization systems and methods	10021091	7/10/2018
Systems and methods for authenticating and protecting the integrity of data streams and other data	10025953	7/17/2018
Content publishing systems and methods	10051457	8/14/2018
Information targeting systems and methods	10061847	8/28/2018
Object rendering systems and methods	10061906	8/28/2018
Tethered device systems and methods	10078873	9/18/2018
Secure computing systems and methods	10083277	9/25/2018
Secure authentication systems and methods	10104064	10/16/2018
Bioinformatic processing systems and methods	10127354	11/13/2018
Trusted storage systems and methods	10129222	11/13/2018
Content delivery systems and methods	10191972	1/29/2019
Activity recognition systems and methods	10200822	2/5/2019
Cryptographic systems and methods	10205710	2/12/2019
User information determination systems and methods	10216551	2/26/2019
Systems and methods for calibrating speakers	10244340	3/26/2019
Software self-defense systems and methods	10255414	4/9/2019
Secure processing systems and methods	10255440	4/9/2019
Content publishing systems and methods	10271197	4/23/2019
Sensor information management systems and methods	10317243	6/11/2019
Secure processing unit systems and methods	10360411	7/23/2019
Anomaly detection systems and methods	10360783	7/23/2019
Spatio-temporal data processing systems and methods	10372721	8/6/2019
Device authentication systems and methods	10389868	8/20/2019
Data communication and storage systems and methods	10409791	9/10/2019

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Data management systems and methods	10411899	9/10/2019
Secure transaction systems and methods	10412071	9/10/2019
Secure application processing systems and methods	10419400	9/17/2019
Network security systems and methods	10419492	9/17/2019
Distributed computation systems and methods	10423453	9/24/2019
Methods, systems, and apparatus for fragmented file sharing	10423764	9/24/2019
Software self-checking systems and methods	10423779	9/24/2019
Secure authentication systems and methods	10425405	9/24/2019
Software integrity checking systems and methods	10496814	12/3/2019
Transit vehicle information management systems and methods	10515548	12/24/2019
Bioinformatic processing systems and methods	10522244	12/31/2019
Genomic informatics service	10528758	1/7/2020
Managed content distribution systems and methods	10560748	2/11/2020

Patent Applications

<u>Title</u>	<u>Application No.</u>	<u>Filing Date</u>
Cryptographic methods, apparatus and systems for storage media electronic rights management in closed and connected appliances	08848077	5/15/1997
Method and apparatus for distributing multimedia information over a network	09184778	11/2/1998
Digital content distribution system	10542683	7/19/2005
Digital rights management engine systems and methods	11583526	10/18/2006
Digital rights management engine systems and methods	11583622	10/18/2006
Digital rights management engine systems and methods	11583646	10/18/2006
Digital rights management engine systems and methods	11583695	10/18/2006
Heterogeneous network and method for handover between heterogeneous networks	12193594	8/18/2008
Method, device and system for multicast service authorization control	12577395	10/12/2009
Method, device and system for improving broadcast services	12757298	4/9/2010
Ad selection systems and methods	12785409	5/21/2010
Dynamic, local targeted advertising systems and methods	12785412	5/21/2010
Method for collection data and mobile terminal thereof	12870644	8/27/2010
Secure processing unit systems and methods	13070379	3/23/2011

<u>Title</u>	<u>Application No.</u>	<u>Filing Date</u>
Systems and methods for protecting and governing genomic and other information	13654349	10/17/2012
Selective sending of portions of electronic content	13735357	1/7/2013
Systems and methods for vehicle policy enforcement	13769357	2/17/2013
Content management systems and methods	13773433	2/21/2013
Data collection and analysis systems and methods	13914538	6/10/2013
Vehicle charging path optimization systems and methods	14074081	11/7/2013
Establishing a secure channel with a human user	15167051	5/27/2016
Systems and method for protecting personal information	15209448	7/13/2016
Connected device processing systems and methods	15450815	3/6/2017
Connection generation and recognition systems and methods	15608541	5/30/2017
Systems and methods for content targeting using emotional context information	15611509	6/1/2017
Electronic service management systems and methods	15613204	6/3/2017
Device integration platform systems and methods	15634337	6/27/2017
Policy managed genetic material synthesis systems and methods	15662613	7/28/2017
Provenance tracking using genetic material	15664967	7/31/2017
Portable resource management systems and methods	15666089	8/1/2017
Recommendation service systems and methods	15669204	8/4/2017
Establishing a secure channel with a human user	15827421	11/30/2017
Systems and methods for managing and protecting electronic content and applications	15916710	3/9/2018
Object rendering systems and methods	16054258	8/3/2018
Systems and methods for data communication, storage, and analysis using reference motifs	16057357	8/7/2018
Secure computing systems and methods	16110734	8/23/2018
Content delivery systems and methods	16206457	11/30/2018
Systems and methods for calibrating speakers	16272421	2/11/2019
Digital content integrity verification systems and methods	16420119	5/22/2019
Cryptographic systems and methods using distributed ledgers	16420833	5/23/2019
Content management systems and methods using proxy reencryption	16421002	5/23/2019
Digital rights management systems and methods using efficient messaging architectures	16421333	5/23/2019

<u>Title</u>	<u>Application No.</u>	<u>Filing Date</u>
Anomaly detection systems and methods	16506655	7/9/2019
Mobile device network authentication systems and methods	16508245	7/10/2019
Secure application processing systems and methods	16534966	8/7/2019

EXHIBIT CTrademarks

<u>Mark</u>	<u>Serial No.</u>	<u>Filing Date</u>
STUDIOEXPRESS	88355864	3/25/2019
XCA	88157531	10/16/2018
KIORA	87955029	6/8/2018
POWERBOARD	87075985	6/17/2016
PATENTSHIELD	87407952	4/12/2017
PLANET OS	86274730	7/7/2014
PLANET OS	86267333	4/30/2014
ONEFORALL	86783714	10/9/2015
MARINEXPLORE	85915813	4/26/2013
MARINEXPLORE	85915808	4/26/2013
Design	85915806	4/26/2013
MARINEXPLORE	85915801	4/26/2013
GENECLOUD	85911161	4/22/2013
EXPRESSPLAY	85842728	2/6/2013
EXPRESSPLAY	85984236	2/6/2013
INTERTRUST	77650309	1/15/2009
XAUDIO	75932423	3/1/2000
INTERTRUST	75590367	11/17/1998

EXHIBIT D

Mask Works

None