

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4075385

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	FIRST LIEN PATENT SECURITY AGREEMENT	
CONVEYING PARTY DATA		
Name		Execution Date
CRIMSON CORPORATION		09/27/2016
RECEIVING PARTY DATA		
Name:	JEFFERIES FINANCE LLC, AS COLLATERAL AGENT	
Street Address:	520 MADISON AVENUE	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10022	
PROPERTY NUMBERS Total: 119		
Property Type	Number	
Patent Number:	7356578	
Patent Number:	5938745	
Patent Number:	6279054	
Patent Number:	7299246	
Patent Number:	8504579	
Patent Number:	6363359	
Patent Number:	6446046	
Patent Number:	7555683	
Patent Number:	7606242	
Patent Number:	6438711	
Patent Number:	7529820	
Patent Number:	7165202	
Patent Number:	7836337	
Patent Number:	7522906	
Patent Number:	7363022	
Patent Number:	7802065	
Patent Number:	7032110	
Patent Number:	7127607	
Patent Number:	8412797	
Patent Number:	7146531	

PATENT

Property Type	Number
Patent Number:	7225430
Patent Number:	7965842
Patent Number:	6965674
Patent Number:	7133526
Patent Number:	6523072
Patent Number:	6711634
Patent Number:	7376538
Patent Number:	8341708
Patent Number:	7714852
Patent Number:	7664034
Patent Number:	7770168
Patent Number:	8341622
Patent Number:	7529809
Patent Number:	8275895
Patent Number:	7827263
Patent Number:	8166177
Patent Number:	7672992
Patent Number:	8225091
Patent Number:	8095961
Patent Number:	8185945
Patent Number:	7624423
Patent Number:	8135775
Patent Number:	8150961
Patent Number:	8295157
Patent Number:	7949641
Patent Number:	7865889
Patent Number:	7565544
Patent Number:	7757228
Patent Number:	6850990
Patent Number:	8561131
Patent Number:	8621451
Patent Number:	8584194
Patent Number:	8635069
Patent Number:	8533309
Patent Number:	8521864
Patent Number:	8533332
Patent Number:	8601542
Patent Number:	9172583

Property Type	Number
Patent Number:	8788707
Patent Number:	8732690
Patent Number:	8869154
Patent Number:	9032394
Patent Number:	8825651
Patent Number:	9229773
Patent Number:	9107194
Patent Number:	8793782
Patent Number:	8806246
Patent Number:	8982129
Patent Number:	9092201
Patent Number:	9083541
Patent Number:	8930177
Patent Number:	8930193
Patent Number:	9137780
Patent Number:	8787576
Patent Number:	8973113
Patent Number:	8959182
Patent Number:	8838759
Patent Number:	8782740
Patent Number:	8902449
Patent Number:	8719815
Patent Number:	8799174
Patent Number:	8706849
Patent Number:	8898276
Application Number:	13303894
Application Number:	12787641
Application Number:	12904882
Application Number:	11214467
Application Number:	13771753
Application Number:	13592975
Application Number:	12980861
Application Number:	11762576
Application Number:	12327668
Application Number:	12967985
Application Number:	12969912
Application Number:	13484094
Application Number:	13471253

Property Type	Number
Application Number:	13525790
Application Number:	13526193
Application Number:	13484077
Application Number:	13790353
Application Number:	14068830
Application Number:	14190959
Application Number:	14256809
Application Number:	14061015
Application Number:	14464369
Application Number:	14332733
Application Number:	14332737
Application Number:	14503664
Application Number:	14504169
Application Number:	14206860
Application Number:	14445353
Application Number:	14583531
Application Number:	14243119
Application Number:	14853788
Application Number:	14992774
Application Number:	15154733
Application Number:	15250496
Application Number:	15222739
Application Number:	13590339

CORRESPONDENCE DATA

Fax Number: (212)751-4864

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.

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ATTORNEY DOCKET NUMBER:	038507-0541
NAME OF SUBMITTER:	ANGELA M. AMARU
SIGNATURE:	/S/ Angela M. Amaru
DATE SIGNED:	09/29/2016

Total Attachments: 20

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FIRST LIEN PATENT SECURITY AGREEMENT

This First Lien Patent Security Agreement, dated as of September 27, 2016 (this “Patent Security Agreement”), by and among Jefferies Finance LLC and each guarantor listed on Schedule 1 hereto (the “Pledgor”), in favor of Jefferies Finance LLC, in its capacity as collateral agent for the Secured Parties (in such capacity, together with any successor thereof, the “Collateral Agent”) pursuant to that certain First Lien Credit Agreement, dated as of September 27, 2016 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), by and among Landslide Holdings, Inc., a Delaware corporation (“Borrower”), LANDesk Group, Inc., a Delaware corporation (“Holdings”), the Pledgor and each of the other guarantors listed on the signature pages thereto, the lenders from time to time party thereto, the several agents party thereto, including the Collateral Agent, Jefferies Finance LLC, as swingline lender and as issuing bank.

W I T N E S S E T H:

WHEREAS, the Pledgor is party to a that certain First Lien Security Agreement dated as of September 27, 2016 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”) in favor of the Collateral Agent pursuant to which the Pledgor is required to execute and deliver this Patent Security Agreement.

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the ratable benefit of the Secured Parties, to enter into the Credit Agreement, the Pledgor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Pledgor hereby pledges and grants to the Collateral Agent for the ratable benefit of the Secured Parties a Lien on and security interest in and to all of its right, title and interest in, to and under all the following Pledged Collateral of such Pledgor, in each case excluding Excluded Property, whether now existing or hereafter arising or acquired from time to time (collectively, the “Patent Collateral”): all patents and patent applications (whether issued or applied for), including the United States patents and patent applications, listed on Schedule 2 attached hereto,, together with any and all (i) rights and privileges arising under applicable Legal Requirements with respect to the foregoing, (ii) inventions and improvements described and claimed therein, (iii) reissues, substitutes, reexaminations, divisions, renewals, extensions, continuations and continuations-in-part thereof and amendments thereto, (iv) proceeds, income, fees, royalties, damages and payments now or hereafter due and/or payable thereunder and with respect thereto including damages, claims and payments for past, present or future infringements or other violations thereof, (v) rights corresponding thereto throughout the world and (vi) rights to sue for past, present or future infringements or other violations thereof.

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement, and the Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In

the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Termination. Once the Commitments have been terminated and the principal of and interest and premium (if any) on each Loan, all Fees and all other expenses or amounts payable under any Loan Document, any Specified Hedging Agreement and any Bank Product Agreement have been paid in full (other than contingent indemnification obligations that, pursuant to the terms of the Credit Agreement, the other Loan Documents, any Specified Hedging Agreement and any Bank Product Agreement, survive the termination thereof) and all Letters of Credit have been canceled or have expired and all amounts drawn thereunder have been reimbursed in full or Cash Collateralized, the security interest granted pursuant to the Security Agreement and the security interest granted herein shall terminate and be deemed released and upon written request of the Borrower, the Collateral Agent shall execute, acknowledge, and deliver to the Pledgor an instrument in writing in recordable form releasing the collateral pledge, grant, lien and security interest in the Patent Collateral under this Patent Security Agreement.

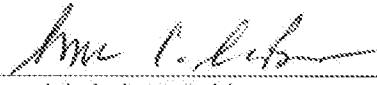
SECTION 5. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts.

SECTION 6. Governing Law. This Patent Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Patent Security Agreement or the facts or circumstances leading to its execution, whether in contract, tort or otherwise, shall be construed in accordance with and governed by the laws (including statutes of limitation) of the State of New York, without regard to conflicts of law principles that would require the application of the laws of another jurisdiction.

[Signature Page Follows]

IN WITNESS WHEREOF, each Pledgor and the Collateral Agent have caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

CRIMSON CORPORATION,
as Pledgor

By: 
Name: Mark C. McBride
Title: Chief Financial Officer

[Signature Page to Patent Security Agreement (First Lien)]

ACCEPTED AND AGREED:

JEFFERIES FINANCE LLC,
as Collateral Agent

By: _____
Name: Brian Buoye
Title: Managing Director

[Signature Page to Patent Security Agreement (First Lien)]

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SCHEDULE 1
to
FIRST LIEN PATENT SECURITY AGREEMENT

PLEDGOR

NAME	ADDRESS
Crimson Corporation	c/o LANDesk Software, Inc., 698 West 10000 South, Suite 500 South Jordan, UT 84095

First Lien Patent Security Agreement

SCHEDULE 2
to
FIRST LIEN PATENT SECURITY AGREEMENT

UNITED STATES PATENTS AND PATENT APPLICATIONS

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
A SYSTEM FOR CONSTRUCTING A NETWORK SPANNING TREE USING COMMUNICATION METRICS DISCOVERED BY MULTICAST ALIAS DOMAINS	U.S.	5/28/2003	10/446,308	Issued	7356578	4/8/2008	Crimson Corporation
ARBITRATOR FOR MODEM IN A SYSTEM WITHOUT SHARED PROCESS SPACE THAT PASSES A DUPLICATE HANDLE TO A FIRST LISTENING APPLICATION WITH MATCHING IDENTIFICATION STRING	U.S.	6/25/1997	08/882,195	Issued	5938745	8/17/1999	Crimson Corporation
ARBITRATOR FOR MULTIPLE PROCESSES SHARING A PORT	U.S.	6/18/1999	09/336,006	Issued	6279054	8/21/2001	Crimson Corporation
CLIENT INITIATED MULTICAST DOMAIN DISCOVERY	U.S.	1/16/2004	10/759,711	Issued	7299246	11/20/2007	Crimson Corporation
FILTERING A DATA SET USING TREES ON A COMPUTING DEVICE	U.S.	12/30/2010	12/982,532	Issued	8504579	8/6/2013	Crimson Corporation
INVENTORY DETERMINATION FOR FACILITATING COMMERCIAL TRANSACTIONS	U.S.	12/21/1999	09/468,963	Issued	6363359	3/26/2002	Crimson Corporation

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
INVENTORY DETERMINATION FOR FACILITATING COMMERCIAL TRANSACTIONS DURING DIAGNOSTIC TESTS	U.S.	12/23/1999	09/471,530	Issued	6446046	9/3/2002	Crimson Corporation
INVENTORY DETERMINATION FOR FACILITATING COMMERCIAL TRANSACTIONS DURING DIAGNOSTIC TESTS	U.S.	7/17/2002	10/198,031	Issued	7555683	6/30/2009	Crimson Corporation
MANAGED ROAMING FOR WLANS	U.S.	8/2/2002	10211841	Issued	7606242	10/20/2009	Crimson Corporation
METHOD AND APPARATUS FOR PERFORMING FIELD DIAGNOSTICS ON A COMPUTER SYSTEM	U.S.	7/15/1998	09/116,310	Issued	6438711	8/20/2002	Crimson Corporation
METHOD AND APPARATUS TO PERFORM AUTOMATED TASK HANDLING	U.S.	6/26/2001	09/892,296	Issued	7529820	5/5/2009	Crimson Corporation
METHOD AND APPARATUS TO PERFORM CUSTOMIZED ERROR HANDLING	U.S.	3/22/2001	09/815,441	Issued	7165202	1/16/2007	Crimson Corporation
METHOD AND SYSTEM FOR RESTORATION OF A MOBILE DEVICE TO IT'S STATE PRIOR TO LOSS OF MEMORY	U.S.	7/9/2004	10888289	Issued	7836337	11/16/2010	Crimson Corporation
MOBILE UNIT CONFIGURATION MANAGEMENT FOR WLANS	U.S.	8/9/2002	10215701	Issued	7522906	4/21/2009	Crimson Corporation
MOBILE UNIT CONFIGURATION MANAGEMENT FOR WLANS	U.S.	9/23/2002	10252849	Issued	7363022	4/22/2008	Crimson Corporation
PEER TO PEER BASED CACHE MANAGEMENT	U.S.	5/3/2004	10/837,729	Issued	7802065	9/21/2010	Crimson Corporation
PKI-BASED CLIENT/SERVER AUTHENTICATION	U.S.	6/30/2000	09/608,986	Issued	7032110	4/18/2006	Crimson Corporation

Schedule 2 to Patent Security Agreement

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
PKI-BASED CLIENT/SERVER AUTHENTICATION	U.S.	5/28/2004	10/856,450	Issued	7127607	10/24/2006	Crimson Corporation
PLATFORM FOR DEVELOPMENT AND DEPLOYMENT OF SYSTEM ADMINISTRATION SOLUTIONS	U.S.	8/27/2010	12/870,322	Issued	8412797	4/2/2013	Crimson Corporation
REPAIRING APPLICATIONS	U.S.	12/28/2000	09/753,082	Issued	7146531	12/5/2006	Crimson Corporation
SOFTWARE CODE MANAGEMENT METHOD AND APPARATUS	U.S.	7/26/2001	09/915,862	Issued	7225430	5/29/2007	Crimson Corporation
SYSTEM AND METHOD FOR DETECTING UNAUTHORIZED WIRELESS ACCESS POINTS	U.S.	6/28/2002	10184750	Issued	7965842	6/21/2011	Crimson Corporation
SYSTEM AND METHOD FOR DETECTING UNAUTHORIZED WIRELESS ACCESS POINTS	U.S.	6/20/2011	13164459	Issued	8787576	7/22/2014	Crimson Corporation
SYSTEM AND METHOD FOR PROVIDING WLAN SECURITY THROUGH SYNCHRONIZED UPDATE AND ROTATION OF WEP KEYS	U.S.	11/20/2002	10300324	Issued	6965674	11/15/2005	Crimson Corporation
SYSTEM AND METHOD FOR PROVIDING WLAN SECURITY THROUGH SYNCHRONIZED UPDATE AND ROTATION OF WEP KEYS	U.S.	11/15/2005	11280507	Issued	7133526	11/7/2006	Crimson Corporation

Schedule 2 to Patent Security Agreement

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
SYSTEM AND METHOD OF TRANSMITTING KEYSTROKE INFORMATION TO A CLIENT TERMINAL	U.S.	12/23/1999	09/471,544	Issued	6523072	2/18/2003	Crimson Corporation
SYSTEM AND METHOD OF TRANSMITTING KEYSTROKE INFORMATION TO A CLIENT TERMINAL	U.S.	12/20/2002	10/323,706	Issued	6711634	3/23/2004	Crimson Corporation
SYSTEMS AND METHODS FOR AUDITING THE ACTIONS PERFORMED BY A REMOTE CONTROL OPERATOR DURING A REMOTE CONTROL SESSION	U.S.	5/19/2005	11/132,880	Issued	7376538	5/20/2008	Crimson Corporation
SYSTEMS AND METHODS FOR AUTHENTICATING CREDENTIALS FOR MANAGEMENT OF A CLIENT	U.S.	8/29/2006	11/468,255	Issued	8341708	12/25/2012	Crimson Corporation
SYSTEMS AND METHODS FOR BLANKING A DISPLAY SCREEN ON A DISPLAY DEVICE OF A COMPUTER SYSTEM	U.S.	11/10/2005	11/271,638	Issued	7714852	5/11/2010	Crimson Corporation
SYSTEMS AND METHODS FOR COLLECTIVE BANDWIDTH THROTTLING	U.S.	10/24/2005	11/257,257	Issued	7664034	2/16/2010	Crimson Corporation
SYSTEMS AND METHODS FOR DISTRIBUTING SOFTWARE USING NODES WITHIN A NETWORK GROUP	U.S.	5/25/2005	11/137,312	Issued	7770168	8/3/2010	Crimson Corporation

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
SYSTEMS AND METHODS FOR EFFICIENTLY USING NETWORK BANDWIDTH TO DEPLOY DEPENDENCIES OF A SOFTWARE PACKAGE	U.S.	12/15/2005	11/304,035	Issued	8341622	12/25/2012	Crimson Corporation
SYSTEMS AND METHODS FOR EFFICIENTLY USING NETWORK BANDWIDTH TO DOWNLOAD RESOURCES	U.S.	12/5/2005	11/294,248	Issued	7529809	5/5/2009	Crimson Corporation
SYSTEMS AND METHODS FOR ESTABLISHING A TRUSTED DYNAMIC HOST CONFIGURATION PROTOCOL CONNECTION	U.S.	12/21/2006	11/614,873	Issued	8275895	9/25/2012	Crimson Corporation
SYSTEMS AND METHODS FOR MANAGING A COMPUTER OVER A NETWORK	U.S.	8/30/2006	11/468,584	Issued	7827263	11/2/2010	Crimson Corporation
SYSTEMS AND METHODS FOR MANAGING REQUESTS FOR CONNECTIONS TO SERVICES ON A COMPUTER SYSTEM	U.S.	10/27/2006	11/553,921	Issued	8166177	4/24/2012	Crimson Corporation
SYSTEMS AND METHODS FOR MONITORING A MODEM IN A NETWORKED ENVIRONMENT	U.S.	6/12/2003	10/460,079	Issued	7672992	3/2/2010	Crimson Corporation
SYSTEMS AND METHODS FOR PROTECTING SENSITIVE FILES FROM UNAUTHORIZED ACCESS	U.S.	3/30/2004	10/813,248	Issued	8225091	7/17/2012	Crimson Corporation

Schedule 2 to Patent Security Agreement

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
SYSTEMS AND METHODS FOR QUARANTINING A NODE FROM OTHER NODES IN A NETWORK	U.S.	7/26/2007	11/828,846	Issued	8095961	1/10/2012	Crimson Corporation
SYSTEMS AND METHODS FOR SELECTIVELY REQUESTING CERTIFICATES DURING INITIATION OF SECURE COMMUNICATION SESSIONS	U.S.	3/2/2005	11/070,475	Issued	8185945	5/22/2012	Crimson Corporation
SYSTEMS AND METHODS FOR SOFTWARE DISTRIBUTION USING DISTRIBUTION POLICIES	U.S.	1/20/2005	11/039,044	Issued	7624423	11/24/2009	Crimson Corporation
SYSTEMS AND METHODS FOR STAGED DEPLOYMENT OF SOFTWARE	U.S.	5/29/2008	12/129,571	Issued	8135775	3/13/2012	Crimson Corporation
SYSTEMS AND METHODS FOR UPDATING DISTRIBUTED NETWORK INVENTORY SERVICES	U.S.	11/29/2005	11/289,130	Issued	8150961	4/3/2012	Crimson Corporation
SYSTEMS AND METHODS FOR USING OUT-OF-BAND PROTOCOLS FOR REMOTE MANAGEMENT WHILE IN-BAND COMMUNICATION IS NOT AVAILABLE	U.S.	4/10/2006	11/401,156	Issued	8295157	10/23/2012	Crimson Corporation
SYSTEMS AND METHODS FOR VALIDATING A PORTION OF A FILE THAT IS DOWNLOADED FROM ANOTHER COMPUTER SYSTEM	U.S.	2/15/2006	11/354,547	Issued	7949641	5/24/2011	Crimson Corporation

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TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
SYSTEMS AND METHODS FOR VERIFYING THE COMPATIBILITY OF SOFTWARE WITH A GROUP OF MANAGED NODES	U.S.	9/14/2006	11/532,033	Issued	7865889	1/4/2011	Crimson Corporation
SYSTEMS AND METHODS FOR VERIFYING THE TRUSTWORTHINESS OF A FILE COMPRISING COMPUTER INSTRUCTIONS	U.S.	4/4/2005	11/098,719	Issued	7565544	7/21/2009	Crimson Corporation
SYSTEMS AND METHODS FOR WRITING AN IMAGE TO A COMPUTER SYSTEM	U.S.	2/26/2004	10/787,366	Issued	7757228	7/13/2010	Crimson Corporation
TRANSFER OF SYNCHRONIZED DATA FROM 16-BIT CODE TO A 32-BIT PROCESS	U.S.	7/14/1999	09/353,211	Issued	6850990	2/1/2005	Crimson Corporation
ACTIVELY PROVISIONING A MANAGED NODE	U.S.	11/22/2011	13/302,171	Issued	9172583	10/27/2015	Crimson Corporation
ALLOCATING PRODUCTS TO LICENSES ON A COMPUTING DEVICE	U.S.	6/30/2011	13/173,947	Issued	8561131	10/15/2013	Crimson Corporation
ASSIGNING A RANDOM STATIC IP ADDRESS IN A QUARANTINE NETWORK	U.S.	5/27/2010	12/789,293	Issued	8788707	7/22/2014	Crimson Corporation
COMPUTING DEVICE FOR INSTALLING AN APPLICATION	U.S.	10/27/2011	13/283,298	Issued	8732690	5/20/2014	Crimson Corporation
CONTROLLING PROCESSOR USAGE ON A COMPUTING DEVICE	U.S.	3/29/2010	12/748,873	Issued	8869154	10/21/2014	Crimson Corporation
DEPLOYING DRIVERS FOR AN OPERATING SYSTEM ON A COMPUTING DEVICE	U.S.	12/16/2010	12/970,448	Issued	9032394	5/12/2015	Crimson Corporation

Schedule 2 to Patent Security Agreement

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
DETERMINING A GROUP OF RELATED PRODUCTS ON A COMPUTING DEVICE	U.S.	6/30/2011	13/173,843	Issued	8825651	9/2/2014	Crimson Corporation
DETERMINING WHEN TO PERFORM A MAINTENANCE OPERATION ON A COMPUTING DEVICE BASED ON STATUS OF A CURRENTLY RUNNING PROCESS OR APPLICATION ON THE COMPUTING DEVICE	U.S.	6/30/2010	12/827,051	Issued	9229773	1/5/2016	Crimson Corporation
DYNAMIC MESH NETWORKS	U.S.	8/23/2011	13127350	Issued	9107194	8/11/2015	Crimson Corporation
ENFORCING A HEALTH POLICY IN A LOCAL AREA NETWORK	U.S.	5/27/2010	12/789,283	Issued	8793782	7/29/2014	Crimson Corporation
ENFORCING AND COMPLYING WITH A COMPUTING DEVICE POWER POLICY	U.S.	5/5/2011	13/101,936	Issued	8806246	8/12/2014	Crimson Corporation
IDENTIFYING A REMOTE IDENTITY REQUEST VIA A BIOMETRIC DEVICE	U.S.	11/23/2011	13/303,894	Pending			Crimson Corporation
RESPONSIVENESS OF A COMPUTING DEVICE IN CONNECTION WITH SOFTWARE DISTRIBUTION	U.S.	1/19/2012	13/354,205	Issued	8621451	12/31/2013	Crimson Corporation
MANAGING ASSETS ON A COMPUTING DEVICE	U.S.	5/26/2010	12/787,641	Pending			Crimson Corporation
MAPPING GRAPH DATA TO A TREE STRUCTURE ON A COMPUTING DEVICE	U.S.	12/30/2010	12/982,517	Issued	8982129	3/17/2015	Crimson Corporation

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
MODIFYING SYSTEM- DEFINED USER INTERFACE CONTROL FUNCTIONALITY ON A COMPUTING DEVICE	U.S.	10/14/2010	12/904,882	Pending			Crimson Corporation
NETWORK ACCESS CONTROL USING A QUARANTINED SERVER	U.S.	8/29/2005	11/214,467	Issued	8584194	11/12/2013	Crimson Corporation
PLATFORM FOR DEVELOPMENT AND DEPLOYMENT OF SYSTEM ADMINISTRATION SOLUTIONS	U.S.	4/1/2013	13/854,286	Issued	9092201	7/28/2015	Crimson Corporation
PREDICTING WHETHER A PARTY WILL PURCHASE A PRODUCT	U.S.	2/20/2013	13/771,753	Pending			Crimson Corporation
PROVIDING AN INFORMATION TECHNOLOGY MANAGEMENT PRESCRIPTION	U.S.	8/23/2012	13/592,975	Pending			Crimson Corporation
REMOTELY INVOKING DYNAMIC CLASSES ON A COMPUTING DEVICE	U.S.	12/29/2010	12/980,861	Pending			Crimson Corporation
RETRANSMITTING LOST PACKETS FOR MULTICAST DATA DISTRIBUTION	U.S.	12/28/2010	12/979,725	Issued	9083541	7/14/2015	Crimson Corporation
SCRIPTING SUPPORT FOR DATA IDENTIFIERS, VOICE RECOGNITION AND SPEECH IN A TELNET SESSION	U.S.	8/16/2007	11893676	Issued	8635069	1/21/2014	Crimson Corporation
SCRIPTING SUPPORT FOR DATA IDENTIFIERS, VOICE RECOGNITION AND SPEECH IN A TELNET SESSION	U.S.	5/9/2012	13/467,673	Issued	8930177	1/6/2015	Crimson Corporation

Schedule 2 to Patent Security Agreement

TITLE	COUNTRY	FILING DATE	SERIAL NO.	STATUS	PATENT / PUBL. NO.	ISSUE DATE	OWNER
SCRIPTING SUPPORT FOR DATA IDENTIFIERS, VOICE RECOGNITION AND VOICE INPUT IN A TELNET SESSION	U.S.	5/9/2012	13/467,461	Issued	8930193	1/6/2015	Crimson Corporation
SYNCHRONIZING MULTICAST DATA DISTRIBUTION ON A COMPUTING DEVICE	U.S.	12/28/2010	12/979,987	Issued	9137780	9/15/2015	Crimson Corporation
SYSTEM AND METHOD FOR DETECTING UNAUTHORIZED WIRELESS ACCESS POINTS	U.S.	6/20/2011	13164459	Issued	8787576	7/22/2014	Crimson Corporation
SYSTEMS AND METHODS FOR AUTOMATICALLY RESETTNG A PASSWORD	U.S.	4/15/2010	12/761,114	Issued	8973113	3/3/2015	Crimson Corporation
SYSTEMS AND METHODS FOR COMPUTER DATA RECOVERY AND DESTRUCTION	U.S.	4/15/2008	12/103,437	Issued	8959182	2/7/2015	Crimson Corporation
SYSTEMS AND METHODS FOR DECOUPLING BUSINESS PROCESS MANAGEMENT COMPONENTS FROM DATA SOURCES	U.S.	6/13/2007	11/762,576	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR DETECTING UNMANAGED NODES WITHIN A SYSTEM	U.S.	6/29/2007	11/771,735	Issued	8838759	9/6/2014	Crimson Corporation
SYSTEMS AND METHODS FOR DETECTION OF UNAUTHORIZED OR UNSECURED ACCESS POINTS	U.S.	1/28/2009	12/361,354	Issued	8782740	7/15/2014	Crimson Corporation

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SYSTEMS AND METHODS FOR DETERMINING WHEN RESULTS FROM A CRITERIA SCAN ARE DELETED FROM A COMPUTING DEVICE	U.S.	1/3/2007	11/619,534	Issued	8902449	12/2/2014	Crimson Corporation
SYSTEMS AND METHODS FOR DISTRIBUTED NODE DETECTION AND MANAGEMENT	U.S.	10/24/2005	11/257,246	Issued	8533309	9/10/2013	Crimson Corporation
SYSTEMS AND METHODS FOR DISTRIBUTING A COMPUTER SOFTWARE PACKAGE USING A PRE- REQUISITE QUERY	U.S.	12/9/2005	11/298,809	Issued	8719815	5/6/2014	Crimson Corporation
SYSTEMS AND METHODS FOR FACILITATING THE REUSE OF A CHILD WORKFLOW PROCESS BY MULTIPLE PARENT WORKFLOW PROCESSES	U.S.	6/15/2007	11/763,904	Issued	8799174	8/5/2014	Crimson Corporation
SYSTEMS AND METHODS FOR INCREASING THE SCALABILITY IN A CLIENT/SERVER ENVIRONMENT	U.S.	2/9/2007	11/673,447	Issued	8706849	4/22/2014	Crimson Corporation
SYSTEMS AND METHODS FOR MANAGING THE IMPACT OF MONITORING PROCESSES	U.S.	1/10/2006	11/328,731	Issued	8521864	8/27/2013	Crimson Corporation
SYSTEMS AND METHODS FOR MONITORING NETWORK PORTS TO REDIRECT COMPUTING DEVICES TO A PROTECTED NETWORK	U.S.	1/11/2007	11/622,398	Issued	8898276	11/25/2014	Crimson Corporation

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SYSTEMS AND METHODS FOR OBTAINING EXCLUSIVE ACCESS TO A COMPUTING RESOURCE	U.S.	6/18/2007	11/764,467	Issued	8533332	9/10/2013	Crimson Corporation
SYSTEMS AND METHODS FOR SECURING DATA	U.S.	12/3/2008	12/327,668	Pending			Crimson Corporation
SYSTEMS AND METHODS PROVIDING FOR CONFIGURATION FILE DOWNLOADS	U.S.	12/22/2008	12/341,756	Issued	8601542	12/3/2013	Crimson Corporation
UPDATING A RUNNING APPLICATION ON A COMPUTING DEVICE	U.S.	12/14/2010	12/967,985	Pending			Crimson Corporation
USING A MEMBER ATTRIBUTE TO PERFORM A DATABASE OPERATION ON A COMPUTING DEVICE	U.S.	12/16/2010	12/969,912	Pending			Crimson Corporation
FORWARDING CONTENT ON A CLIENT BASED ON A REQUEST	U.S.	5/30/2012	13/484,094	Pending			Crimson Corporation
DETERMINING THE STATUS OF A NODE BASED ON A DISTRIBUTED SYSTEM	U.S.	5/14/2012	13/471,253	Pending			Crimson Corporation
ESTABLISHING A DIRECT CONNECTION BETWEEN REMOTE DEVICES	U.S.	6/18/2012	13/525,790	Pending			Crimson Corporation
DEVICE FOR DISPLAYING A REMOTE DISPLAY ACCORDING TO A MONITOR GEOMETRY	U.S.	6/18/2012	13/526,193	Pending			Crimson Corporation
OBTAINING AND RUNNING A LOCAL QUERY ON A COMPUTING DEVICE	U.S.	5/30/2012	13/484,077	Pending			Crimson Corporation

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COMPUTING DEVICES FOR SENDING AND RECEIVING CONFIGURATION INFORMATION	U.S.	3/8/2013	13/790,353	Pending			Crimson Corporation
ENCODING LOCATION INFORMATION IN ALPHA CHANNELS FOR HTML REMOTE CONTROL	U.S.	10/31/2013	14/068,830	Issued	9380300	6/28/2016	Crimson Corporation
SCRIPTING SUPPORT FOR DATA IDENTIFIERS, VOICE RECOGNITION AND SPEECH IN A TELNET SESSION	U.S.	2/26/2014	14/190,959	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR INCREASED SPEED OF DOWNLOADING RESOURCES IN A MANAGED NETWORK	U.S.	4/18/2014	14/256,809	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR MULTICAST MESSAGE ROUTING	U.S.	10/23/2013	14/061,015	Pending			Crimson Corporation
TERMINAL EMULATION OVER HTML	U.S.	8/20/2014	14/464,369	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR PROVISIONING A MANAGED NODE	U.S.	7/16/2014	14/332,733	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR PEER RESOURCE SHARING	U.S.	7/16/2014	14/332,737	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR NETWORK MANAGEMENT	U.S.	10/1/2014	14/503,664	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR PATCH MANAGEMENT	U.S.	10/1/2014	14/504,169	Pending			Crimson Corporation

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SYSTEMS AND METHODS FOR PROVIDING A SELF-MAINTAINING PKI INFRASTRUCTURE AMONG LOOSELY CONNECTED ENTITIES	U.S.	3/12/2014	14/206,860	Issued	9252958	2/2/2016	Crimson Corporation
SYSTEMS AND METHODS FOR ENROLLING AND CONFIGURING AGENTS	U.S.	7/29/2014	14/445,353	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR SELF-ORGANIZING MULTICAST	U.S.	12/26/2014	14/583,531	Pending			Crimson Corporation
METHOD AND APPARATUS FOR PROTECTING ACCESS TO CORPORATE APPLICATIONS FROM MOBILE DEVICES	U.S.	4/2/2014	14/243,119	Issued	9246947	1/26/2016	Crimson Corporation
SYSTEM AND METHODS FOR PROVIDING COMPUTER-RELATED SUPPORT	U.S.	9/14/2015	14/853,788	Pending			Crimson Corporation
SYSTEM AND METHODS FOR NETWORK BOOTING	U.S.	1/11/2016	14/992,774	Pending			Crimson Corporation
SYSTEM AND METHODS FOR PROVIDING A SELF-ELECTING SERVICE	U.S.	5/13/2016	15/154,733	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR CREDENTIAL DISTRIBUTION	U.S.	8/29/2016	15/250,496	Pending			Crimson Corporation
SYSTEMS AND METHODS FOR PRESENTATION OF A TERMINAL APPLICATION SCREEN	U.S.	7/28/2016	15/222,739	Pending			Crimson Corporation
Method and apparatus for accessing corporate data from a mobile device	U.S.	13/590,339	8/21/2012	20130061307	Pending	—	Crimson Corporation

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