

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2820518

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
CROSS MATCH, INC.	04/17/2014
CROSS MATCH HOLDINGS, INC.	04/17/2014
CROSS MATCH TECHNOLOGIES, INC.	04/17/2014
CROSS MATCH TECHNOLOGIES GMBH	04/17/2014
DIGITALPERSONA, INC.	04/17/2014

RECEIVING PARTY DATA

Name:	SILICON VALLEY BANK, AS ADMINISTRATIVE AGENT
Street Address:	275 GROVE STREET
Internal Address:	SUITE 2-200
City:	NEWTON
State/Country:	MASSACHUSETTS
Postal Code:	02466

PROPERTY NUMBERS Total: 34

Property Type	Number
Application Number:	13474484
Application Number:	13560082
Application Number:	13676058
PCT Number:	US1264882
Application Number:	13676062
PCT Number:	US1264886
Application Number:	13830909
Application Number:	14217083
PCT Number:	US1430552
Patent Number:	6125192
Patent Number:	6741729
Patent Number:	7231070
Patent Number:	7519204
Patent Number:	5796858
Patent Number:	D404667
Patent Number:	5997339

PATENT

Property Type	Number
Patent Number:	6122737
Patent Number:	6292576
Patent Number:	6035398
Patent Number:	6950539
Patent Number:	6097035
Patent Number:	6188781
Patent Number:	6324310
Patent Number:	6282303
Patent Number:	6799275
Patent Number:	7698565
Patent Number:	7409543
Patent Number:	7895432
Patent Number:	8245052
Patent Number:	8621642
Application Number:	13584716
Application Number:	14144426
Application Number:	61115512
Application Number:	12579288

CORRESPONDENCE DATA

Fax Number: (800)494-7512

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

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Address Line 2: NATIONAL CORPORATE RESEARCH, LTD

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	F149433
NAME OF SUBMITTER:	ANDREW NASH
SIGNATURE:	/Andrew Nash/
DATE SIGNED:	04/18/2014

Total Attachments: 9

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- source=Final - Patent Supplement#page3.tif
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FIRST SUPPLEMENT TO PATENT SECURITY AGREEMENT

This Supplement to Patent Security Agreement (this “*Supplement*”) is made as of the 17th of April, 2014 by **CROSS MATCH, INC.**, a Delaware corporation (“*Holdings*”), **CROSS MATCH HOLDINGS, INC.**, a Delaware corporation (“*Parent*”), **CROSS MATCH TECHNOLOGIES, INC.**, a Delaware corporation (“*Borrower*”) and **CROSS MATCH TECHNOLOGIES GMBH**, a German limited liability company (*Gesellschaft mit beschränkter Haftung*) (“*German Subsidiary*”) (Holdings, Parent, Borrower and German Subsidiary Guarantor are, individually, a “*Grantor*”, and collectively, the “*Grantors*”), in favor of Silicon Valley Bank, as Administrative Agent (in such capacity, together with its successors and permitted assigns, (“*Administrative Agent*”)) for the Secured Parties.

WHEREAS, the Grantors executed and delivered a Patent Security Agreement dated July 13, 2012 and recorded on July 13, 2012 at Reel 028541, Frame 0559 (as amended of record from time to time hereinafter, the “*Grant*”) in favor of the Administrative Agent, pursuant to which the Grantor pledged, assigned and granted a security interest in certain Patents (as defined therein); and

WHEREAS, pursuant to that certain Second Amendment to Credit Agreement (the “Amendment”), **DIGITALPERSONA, INC.**, a California corporation (“*DigitalPersona*”), has become a Grantor under the Grant;

NOW, THEREFORE, in consideration of the mutual covenants herein contained and benefits to be derived herefrom, it is hereby agreed as follows:

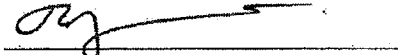
1. Definitions. All capitalized terms herein and not otherwise defined shall have the same meaning herein as in the Grant.
2. Supplement to Schedule A. Schedule A to the Grant is hereby supplemented, but not replaced, by Schedule A-1 annexed hereto.
3. Miscellaneous:
 - a. Except as provided herein, all terms and conditions of the Grant remain in full force and effect.
 - b. This Supplement covers the entire understanding of the parties with respect to the matters set forth herein and supersedes all prior discussions and negotiations hereon.

[signature pages follow]

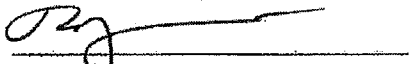
IN WITNESS WHEREOF, the undersigned has executed this Supplement as of the date first written above.

GRANTORS:

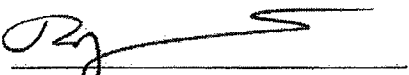
CROSS MATCH, INC.

By: 
Name: Richard Agostinelli
Title: President

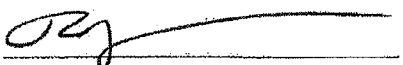
CROSS MATCH HOLDINGS, INC.

By: 
Name: Richard Agostinelli
Title: President

CROSS MATCH TECHNOLOGIES, INC.

By: 
Name: Richard Agostinelli
Title: Chief Executive Officer

DIGITALPERSONA, INC.

By: 
Name: Richard Agostinelli
Title: Chief Executive Officer

Address of Grantor:

720 Bay Road
Redwood City, California 94063
Attention: Richard A. Agostinelli
Facsimile: (650) 298-8313

Signature page to Supplemental Patent Security Agreement

SCHEDULE A-1

Cross Match Technologies, Inc. Patents:

Country of Registration	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
U.S.	13/474,484	05/17/2012	Fingerprint Sensors	Pending
Europe	12 785 162.4	05/17/2012	Fingerprint Sensors	Pending
U.S.	13/560,082	07/27/2012	Image enhancing membrane for Fingerprint Scanners	Pending
U.S.	13/676,058	11/13/2012	Ambient light rejection for non-imaging contact sensors	Pending
PCT	PCT/US12/06488 2	11/13/2012	Ambient light rejection for non-imaging contact sensors	Pending
U.S.	13/676,062	11/13/2012	Ambient light rejection for non-imaging contact sensors	Pending
PCT	PCT/US12/06488 6	11/13/2012	Ambient light rejection for non-imaging contact sensors	Pending
U.S.	13/830,909	03/14/2013	System for capturing a biometric image in high ambient light environments	Pending
U.S.	14/217,083	03/17/2014	System and method of conversion of fingerprint cards into digital format using machine readable code	Pending
PCT	PCT/US14/30552	03/17/2014	System and method of conversion of fingerprint cards into digital format using machine readable code	Pending

DigitalPersona, Inc. Patents:

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
US	Issued	08/837,549	Apr 21, 1997	6,125,192	Sep 26, 2000	<u>FINGERPRINT RECOGNITION SYSTEM</u>
US	Issued	09/470,097	Dec 21, 1999	6,741,729	May 25, 2004	<u>FINGERPRINT RECOGNITION SYSTEM</u>
US	Issued	10/822,897	Apr 12, 2004	7,231,070	Jun 12, 2007	<u>FINGERPRINT RECOGNITION SYSTEM</u>
US	Issued	11/762,001	Jun 12, 2007	7,519,204	Apr 14, 2009	<u>A FINGERPRINT RECOGNITION SYSTEM</u>
JP	Issued	545709/98	Feb 26, 1998	4,125,794	May 16, 2008	<u>A FINGERPRINT RECOGNITION SYSTEM - UTILITY - JAPAN</u>
US	Issued	08/646,531	May 10, 1996	5,796,858	Aug 18, 1998	<u>A FINGERPRINT SENSING SYSTEM USING A SHEET PRISM - UTILITY - CONTINUATION</u>
US	Issued	29/079,070	Nov 7, 1997	D404,667	Jan 26, 1999	<u>FINGERPRINT INDICATING SENSING UNIT</u>
US	Issued	08/970,494	Nov 14, 1997	5,997,339	Dec 7, 1999	<u>CABLE CONNECTION</u>
US	Issued	08/971,157	Nov 14, 1997	6,122,737	Sep 19, 2000	<u>METHOD FOR USING FINGERPRINTS TO DISTRIBUTE INFORMATION OVER A NETWORK</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
US	Issued	09/514,964	Feb 29, 2000	6,292,576	Sep 18, 2001	<u>METHOD AND APPARATUS FOR DISTINGUISHING A HUMAN FINGER FROM REPRODUCTION OF A FINGERPRINT</u>
US	Issued	08/970,304	Nov 14, 1997	6,035,398	Mar 7, 2000	<u>CRYPTOGRAPHIC KEY GENERATION USING BIOMETRIC DATA</u>
JP	Issued	2000-521614	May 15, 2000	4460763	Feb 19, 2010	<u>CRYPTOGRAPHIC KEY GENERATION USING BIOMETRIC DATA - UTILITY - JAPAN</u>
US	Issued	09/153,782	Sep 16, 1998	6,950,539	Sep 27, 2005	<u>CONFIGURABLE MULTI- FUNCTION TOUCHPAD DEVICE</u>
DE	Issued	99969165.2	Sep 7, 1999	699 41 901.8	Jan 6, 2010	<u>A CONFIGURABLE MULTI- FUNCTION TOUCHPAD DEVICE - UTILITY - GERMANY</u>
EP	Issued	99969165.2	Sep 7, 1999	1 114 394	Jan 6, 2010	<u>A CONFIGURABLE MULTI- FUNCTION TOUCHPAD DEVICE - UTILITY - EPO</u>
JP	Issued	2000-570709	Mar 16, 2001	4460777	Feb 19, 2010	<u>A CONFIGURABLE MULTI- FUNCTION TOUCHPAD DEVICE - UTILITY - JAPAN</u>
TW	Issued	88116004	Oct 11, 1999	NI-139369	Sep 1, 2001	<u>A CONFIGURABLE MULTI- FUNCTION TOUCHPAD DEVICE -</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>UTILITY - TAIWAN</u>
US	Issued	09/255,037	Feb 22, 1999	6,097,035	Aug 1, 2000	<u>FINGERPRINT DETECTION APPARATUS WITH PARTIAL FINGERPRINT IMAGES</u>
EP	Issued	99949934.6	Sep 27, 1999	1166223?DE 69925393.	May 18, 2005	<u>FINGERPRINT DETECTION APPARATUS - UTILITY - EPO</u>
TW	Issued	88119051	Nov 2, 1999	NI-139968	Sep 11, 2001	<u>FINGERPRINT DETECTION APPARATUS - UTILITY - TAIWAN</u>
US	Issued	09/124,182	Jul 28, 1998	6,188,781	Feb 13, 2001	<u>METHOD AND APPARATUS FOR ILLUMINATING A FINGERPRINT THROUGH A SLIDE ILLUMINATION OF A PLATEN</u>
KR	Issued	2000-7003307	Mar 28, 2000	611135	Aug 3, 2006	<u>METHOD AND APPARATUS FOR ILLUMINATING A FINGERPRINT - UTILITY - KOREA</u>
TW	Issued	88112620	Jul 26, 1999	NI-161311	Aug 21, 2002	<u>METHOD FOR ILLUMINATING A FINGERPRINT - UTILITY - TAIWAN</u>
US	Issued	09/089,316	Jun 2, 1998	6,324,310	Nov 27, 2001	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>A LINEAR SENSOR</u>
CN	Issued	99801019.7	May 27, 1999	ZL 99801019.7	May 25, 2005	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR - UTILITY - CHINA</u>
JP	Issued	2000-552620	May 27, 1999	4285909	Apr 3, 2009	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR - UTILITY - JAPAN</u>
KR	Issued	2000-7000826	May 27, 1999	752575	Aug 21, 2007	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR - UTILITY - KOREA</u>
TH	Issued	050809	Jun 2, 1999	26613	Sep 11, 2009	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR - UTILITY - THAILAND</u>
TW	Issued	88109134	Jul 3, 1999	NI-182742	Nov 26, 2003	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR - UTILITY - TAIWAN</u>
US	Issued	09/591,029	Jun 9, 2000	6,282,303	Aug 28, 2001	<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR WITHIN A CURSOR</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>CONTROL DEVICE</u>
US	Issued	09/539,292	Mar 30, 2000	6,799,275	Sep 28, 2004	<u>METHOD AND APPARATUS FOR SECURING A SECURE PROCESSOR</u>
US	Issued	09/538,926	Mar 30, 2000	7,698,565	Apr 13, 2010	<u>A CRYPTO-PROXY SERVER AND METHOD OF USING THE SAME</u>
US	Issued	09/707,417	Nov 6, 2000	7,409,543	Aug 5, 2008	<u>METHOD AND APPARATUS FOR USING A THIRD PARTY AUTHENTICATION SERVER</u>
US	Issued	12/185,802	Aug 4, 2008	7,895,432	Feb 22, 2011	<u>METHOD AND APPARATUS FOR USING A THIRD PARTY AUTHENTICATION SERVER</u>
US	Issued	11/360,377	Feb 22, 2006	8,245,052	Aug 14, 2012	<u>METHOD AND APPARATUS FOR A TOKEN</u>
US	Issued	12/619,665	Nov 16, 2009	8,621,642	Dec 31, 2013	<u>METHOD AND APPARATUS FOR AN END USER IDENTITY PROTECTION SUITE</u>
JP	Pending	2000-552620	Feb 14, 2000			<u>METHOD AND APPARATUS FOR SCANNING A FINGERPRINT USING A LINEAR SENSOR</u>
BR	Pending	PI0708184-7	Feb 22,			<u>A METHOD AND APPARATUS FOR A</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
			2007			<u>TOKEN</u>
US	Pending	13/584,716	Aug 13, 2012			<u>METHOD AND APPARATUS FOR A TOKEN</u>
EP	Pending	07751564.1	Feb 22, 2007			<u>A METHOD AND APPARATUS FOR A TOKEN</u>
MX	Pending	MX/a/2008/010786	Feb 22, 2007			<u>A METHOD AND APPARATUS FOR A TOKEN</u>
US	Pending	14/144,426	Dec 30, 2013			<u>METHOD AND APPARATUS FOR A END USER IDENTITY PROTECTION SUITE</u>
EP	Pending	09826964.0	Nov 17, 2009			<u>METHOD AND APPARATUS FOR A END USER IDENTITY PROTECTION SUITE</u>
JP	Pending	2011-536595	Nov 17, 2009			<u>METHOD AND APPARATUS FOR A END USER IDENTITY PROTECTION SUITE</u>
US	Pending	61/115,512	Nov 17, 2008			<u>METHOD AND APPARATUS FOR A END USER IDENTITY PROTECTION SUITE</u>
US	Pending	12/579,288	Oct 14, 2009			<u>PRIVATE KEY/PUBLIC KEY RESOURCE PROTECTION SCHEME</u>
JP			Aug. 31, 1998	Japanese Patent Application No. 10-244637 CABLE CONNECTING DEVICE AND SYSTEM THEREFOR Patent Registration No. 3070920		