

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5169822

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST AT REEL/FRAME 032708/0849
CONVEYING PARTY DATA	
Name	Execution Date
SILICON VALLEY BANK	09/21/2018
RECEIVING PARTY DATA	
Name:	CROSS MATCH, INC.
Street Address:	3950 RCA BOULEVARD, SUITE 5001
City:	PALM BEACH GARDENS
State/Country:	FLORIDA
Postal Code:	33410
Name:	CROSS MATCH HOLDINGS, INC.
Street Address:	3950 RCA BOULEVARD, SUITE 5001
City:	PALM BEACH GARDENS
State/Country:	FLORIDA
Postal Code:	33410
Name:	CROSS MATCH TECHNOLOGIES, INC.
Street Address:	3950 RCA BOULEVARD, SUITE 5001
City:	PALM BEACH GARDENS
State/Country:	FLORIDA
Postal Code:	33410
Name:	DIGITALPERSONA, INC.
Street Address:	3950 RCA BOULEVARD, SUITE 5001
City:	PALM BEACH GARDENS
State/Country:	FLORIDA
Postal Code:	33410
Name:	CROSS MATCH TECHNOLOGIES GMBH
Street Address:	UNSTRUTWEG 4
City:	07743 JENA
State/Country:	GERMANY
PROPERTY NUMBERS Total: 31	
Property Type	Number
Application Number:	08646531

PATENT

Property Type	Number
Application Number:	08837549
Application Number:	08970304
Application Number:	08970494
Application Number:	08971157
Application Number:	09089316
Application Number:	09124182
Application Number:	09153782
Application Number:	09255037
Application Number:	09470097
Application Number:	09514964
Application Number:	09538926
Application Number:	09539292
Application Number:	09591029
Application Number:	09707417
Application Number:	10822897
Application Number:	11360377
Application Number:	11762001
Application Number:	12185802
Application Number:	12579288
Application Number:	12619665
Application Number:	13474484
Application Number:	13560082
Application Number:	13584716
Application Number:	13676058
Application Number:	13676062
Application Number:	13830909
Application Number:	14144426
Application Number:	14217083
Application Number:	29079070
Application Number:	61115512

CORRESPONDENCE DATA

Fax Number: (212)446-4900

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.

Email: susan.zablocki@kirkland.com

Correspondent Name: SUSAN ZABLOCKI

Address Line 1: KIRKLAND & ELLIS LLP

Address Line 2: 601 LEXINGTON AVENUE

Address Line 4: NEW YORK, NEW YORK 10022

PATENT

REEL: 047184 FRAME: 0570

ATTORNEY DOCKET NUMBER:	15496-4
NAME OF SUBMITTER:	SUSAN ZABLOCKI
SIGNATURE:	/susan zablocki/
DATE SIGNED:	10/02/2018

Total Attachments: 18

source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page1.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page2.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page3.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page4.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page5.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page6.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page7.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page8.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page9.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page10.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page11.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page12.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page13.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page14.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page15.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page16.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page17.tif
source=Termination and Release of Security Interest in Patents (Cross Match) (002)#page18.tif

TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS

This **TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS** (this “*Termination and Release*”) is made as of September 21, 2018 by SILICON VALLEY BANK, as Administrative Agent (the “*Assignee*”), in favor of **CROSS MATCH, INC.**, a Delaware corporation (“*Holdings*”), **CROSS MATCH HOLDINGS, INC.**, a Delaware corporation (“*Parent*”), **CROSS MATCH TECHNOLOGIES, INC.**, a Delaware corporation (“*Borrower*”), **DIGITALPERSONA, INC.**, a California corporation (“*DigitalPersona*”) and **CROSS MATCH TECHNOLOGIES GMBH**, a German limited liability company (*Gesellschaft mit beschränkter Haftung*) (“*German Subsidiary*”); and together with Holdings, Parent, Borrower and DigitalPersona are, individually, each a “*Grantor*”, and collectively, the “*Grantors*”).

WHEREAS, Grantors and Assignee entered into (i) that certain Guarantee and Collateral Agreement, dated as of July 13, 2012 (as amended, amended and restated, supplemented, restructured or otherwise modified, renewed or replaced from time to time, the “*Guarantee and Collateral Agreement*”), and (ii) that certain Credit Agreement, dated as of July 13, 2012 (as amended, amended and restated, supplemented, restructured or otherwise modified, renewed or replaced from time to time, the “*Credit Agreement*”), pursuant to which Grantors executed and delivered a Patent Security Agreement, dated as of July 13, 2012 (as amended, supplemented, and in effect, the “*IP Agreement*”);

WHEREAS, the IP Agreement was recorded with the United States Patent and Trademark Office (“*USPTO*”) on July 16, 2012, at Reel 028541, Frame 0559;

WHEREAS, the IP Agreement was supplemented by (a) that certain First Supplement to Patent Security Agreement dated as of April 17, 2014 and recorded with the USPTO at Reel 032708, Frame 0849, and (b) that certain Second Supplement to Patent Security Agreement dated as of June 23, 2015 and recorded with the USPTO at Reel 036015, Frame 0243;

WHEREAS, Grantors have requested that Assignee hereby terminate, release and discharge fully its security interests in and liens on all right, title and interest of Grantors in, to and under the patent collateral pledged in the Guarantee and Collateral Agreement and the IP Agreement (collectively, the “*IP Collateral*”) as herein provided; and

WHEREAS, Grantors have requested that the Assignee provide a document suitable for recording with the USPTO to evidence the release of the Assignee’s security interests in and liens on the IP Collateral as herein provided.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignee hereby:

1. terminates the Grants and releases, terminates and discharges all liens and security interests in all right, title and interest of each Grantor in, to and under the Patent Collateral, including those Patents and Patent applications identified in Schedule I hereto, and all goodwill associated therewith; and
2. authorizes and requests that this Termination and Release be recorded with the USPTO.

THIS TERMINATION AND RELEASE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND SHALL BE CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Termination and Release by its duly authorized officer as of the date first above written.

SILICON VALLEY BANK, as Assignee

By: 
Name: Adam Gentry
Title: Director

[Signature Page to Termination and Release of Security Interest in Patents]

PATENT
REEL: 047184 FRAME: 0574

SCHEDULE I
TO
TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS

Grantor	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
Cross Match Technologies, Inc.	R: 4/17/1997 P: 8/29/2000	08/839,934 6,111,977	Hand-held fingerprint recognition and transmission device	Granted
Cross Match Technologies, Inc.	R: 4/28/1998 P: 1/23/2001	09/067,792 6,178,255	Individualized fingerprint scanner	Granted
Cross Match Technologies, Inc.	R: 1/16/2001 P: 9/30/2003	09/759,344 6,628,813	Individualized fingerprint scanner	Granted
Cross Match Technologies, Inc.	R: 9/3/2003 P: 9/5/2006	10/653,141 7,103,201	Methods for capturing fingerprint images using a moving platen	Granted
Cross Match Technologies, Inc.	R: 5/18/1998 P: 7/17/2001	09/080,911 6,263,090	Code Reader Fingerprint Scanner	Granted
Cross Match Technologies, Inc.	R: 5/28/1999 P: 8/7/2001	09/321,533 6,272,562	Access Control Unit Interface	Granted
Cross Match Technologies, Inc.	R: 6/23/2000 P: 4/26/2005	09/599,255 6,886,104	Rechargeable Mobile Hand-Held Fingerprint Scanner With A Data And Power Communication Interface	Granted
Cross Match Technologies, Inc.	R: 8/19/1999 P: 11/19/2002	09/377,597 6,483,932	Method and Apparatus for Rolled Fingerprint Capture	Granted
Cross Match Technologies, Inc.	R: 9/20/2002 P: 8/22/2006	10/247,285 7,095,880	Method And Apparatus For Rolled Fingerprint Capture	Granted
Cross Match Technologies, Inc.	R: 10/29/1999 P: 6/1/2004	09/430,296 6,744,910	Hand-Held Fingerprint Scanner With On-Board Image Normalization Data Storage	Granted
Cross Match Technologies, Inc.	R: 12/18/2002 P: 6/27/2006	10/321,548 7,068,822	System And Method For Sending A Packet With Position Address And Line Scan Data Over An Interface Cable	Granted
Cross Match Technologies, Inc.	R: 12/15/1999 P: 2/3/2004	09/461,344 6,687,391	Adjustable, Rotable Finger Guide In Tenprint Scanner With Movable Prism Platen	Granted
Cross Match Technologies, Inc.	R: 10/25/1999 P: 12/2/2003	09/425,947 6,658,164	Calibration And Correction In A Fingerprint Scanner	Granted
Cross Match Technologies, Inc.	R: 10/23/2003 P: 3/7/2006	10/690,641 7,010,148	Calibration And Correction In A Fingerprint Scanner	Granted
Cross Match	R: 5/9/1997	08/854,157	Lens Systems For Use In	Granted

Grantor	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
Technologies, Inc.	P: 5/4/1999	5,900,993	Fingerprint Detection	
Cross Match Technologies, Inc.	R: 10/25/1999 P: 1/9/2007	09/425,888 7,162,060	Method, System And Computer Program Product For Control Of Platen Movement During A Live Scan	Granted
Cross Match Technologies, Inc.	R: 3/30/2001 P: 1/3/2006	09/821,044 6,983,062	Fingerprint Scanner Auto- Capture System And Method	Granted
Cross Match Technologies, Inc.	R: 12/29/2005 P: 2/2/2010	11/320,472 7,657,067	Fingerprint Scanner Auto- Capture System And Method	Granted
Cross Match Technologies, Inc.	R: 12/18/2001 P: 8/9/2005	10/020,498 6,928,195	Palm Scanner Using A Programmable Nutating Mirror For Increased Resolution	Granted
Cross Match Technologies, Inc.	R: 2/17/2006 P: 1/15/2008	11/356,036 7,319,565	Silicone Rubber Surfaces For Biometric Print TIR Prisms	Granted
Cross Match Technologies, Inc.	R: 1/17/2002 P: 10/26/2004	10/047,983 6,809,303	Platen Heaters For Biometric Image Capturing Devices	Granted
Cross Match Technologies, Inc.	R: 9/6/2002 P: 3/29/2005	10/235,665 6,872,916	System And Method For Biometric Image Capturing	Granted
Cross Match Technologies, Inc.	R: 1/16/2003 P: 12/11/2007	10/345,366 7,308,122	Biometric Imaging System And Method	Granted
Cross Match Technologies, Inc.	R: 4/12/2005 P: 12/6/2011	11/103,426 8,073,209	Biometric Imaging System And Method	Granted
Cross Match Technologies, Inc.	R: 1/16/2003 P: 4/10/2007	10/345,420 7,203,344	Biometric Imaging System And Method	Granted
Cross Match Technologies, Inc.	R: 4/12/2005 P: 12/6/2011	11/103,426 8,073,209	Biometric imaging system and method	Granted
Cross Match Technologies, Inc.	R: 1/17/2002 P: 10/11/2005	10/050,046 6,954,260	Systems And Methods For Illuminating A Platen In A Print Scanner	Granted
Cross Match Technologies, Inc.	R: 4/9/2003 P: 3/15/2005	10/409,156 6,867,850	Light Wedge For Illuminating A Platen In A Print Scanner	Granted
Cross Match Technologies, Inc.	R: 10/27/2004 P: 9/8/2009	10/973,898 7,586,591	Light Wedge For Illuminating A Platen In A Print Scanner	Granted
Cross Match Technologies, Inc.	R: 10/7/2005 P: 9/18/2007	11/245,470 7,271,881	Systems And Methods For Illuminating A Platen In A Print Scanner	Granted
Cross Match Technologies, Inc.	R: 7/31/2002 P: 8/26/2003	29/164,704 D478,905	Fingerprint Scanner	Granted

Grantor	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
Inc.				
Cross Match Technologies, Inc.	R: 7/31/2002 P: 12/16/2003	29/164,705 D483,755	Computer Cabinet	Granted
Cross Match Technologies, Inc.	R: 4/19/2002 P: 7/18/2006	10/125,650 7,079,007	A Distributed System And Method For Access Control	Granted
Cross Match Technologies, Inc.	R: 4/19/2002 P: 9/13/2005	10/125,646 6,944,768	System And Methods For Access Control Utilizing Two Factors To Control Access	Granted
Cross Match Technologies, Inc.	R: 4/21/2003 P: 7/11/2006	10/419,093 7,073,711	Mobile Handheld Code Reader And Print Scanner System And Method	Granted
Cross Match Technologies, Inc.	R: 1/16/2003 P: 8/16/2005	10/345,374 6,930,792	Web-Enabled Live Scanner And Method For Control	Granted
Cross Match Technologies, Inc.	R: 8/9/2005 P: 1/26/2010	11/199,222 7,652,780	Web-Enabled Live Scanner And Method For Control	Granted
Cross Match Technologies, Inc.	R: 8/1/2003 P: 2/7/2006	10/631,899 6,996,259	System And Method For Counting Ridges In A Captured Print Image	Granted
Cross Match Technologies, Inc.	R: 8/14/2003 P: 5/23/2006	10/640,689 7,048,424	Light Integrating Column	Granted
Cross Match Technologies, Inc.	R: 2/28/2003 P: 1/16/2007	10/375,088 7,164,440	Dynamic Image Adaptation Method For Adjusting The Quality Of Digital Prints	Granted
Cross Match Technologies, Inc.	R: 12/3/2003 P: 5/15/2007	10/725,537 7,218,761	System For Obtaining Print And Other Hand Characteristic Information Using A Non-Planar Prism	Granted
Cross Match Technologies, Inc.	R: 12/3/2003 P: 1/31/2006	10/725,543 6,993,165	System Having A Rotating Optical System And A Non-Planar Prism That Are Used To Obtain Print And Other Hand Characteristic Information	Granted
Cross Match Technologies, Inc.	R: 12/3/2003 P: 1/22/2008	10/725,541 7,321,671	System and method for generating a preview display in a print capturing system using a non-planar prism	Granted
Cross Match Technologies, Inc.	R: 3/20/2006 P: 3/13/2007	11/378,238 7,190,535	Non-Planar Prism	Granted
Cross Match Technologies, Inc.	R: 10/8/2004 P: 7/25/2006	10/960,747 7,081,951	Palm Print Scanner And Methods	Granted
Cross Match Technologies, Inc.	R: 6/17/2003 P: 10/11/2005	10/462,592 6,954,261	System And Method For Illuminating A Platen In A Live Scanner And Producing High-	Granted

Grantor	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
			Contrast Print Images	
Cross Match Technologies, Inc.	R: 10/11/2005 P: 10/10/2006	11/246,525 7,119,890	System And Method For Illuminating A Platen In A Live Scanner And Producing High-Contrast Print Images	Granted
Cross Match Technologies, Inc.	R: 11/1/2004 P: 10/10/2006	10/977,946 7,119,889	Apparatus for reducing ambient light into an optical print scanner	Granted
Cross Match Technologies, Inc.	R: 8/1/2003 P: 10/2/2007	10/631,890 7,277,562	Biometric Imaging Capture System And Method	Granted
Cross Match Technologies, Inc.	R: 6/12/2006 P: 6/29/2010	11/450,893 7,747,046	Apparatus And Method For Obtaining Images Using A Prism	Granted
Cross Match Technologies, Inc.	R: 6/28/2010 P: 5/31/2011	12/824,765 7,953,259	Apparatus And Method For Obtaining Images Using A Prism	Granted
Cross Match Technologies, Inc.	R: 8/1/2005 P: 9/16/2008	11/193,324 7,426,020	System for print imaging with prism illumination optics	Granted
Cross Match Technologies, Inc.	R: 12/22/2004 P: 4/4/2006	29/219,777 D518,482	Scanner	Granted
Cross Match Technologies, Inc.	R: 8/23/2005 P: 5/22/2007	11/209,038 7,221,489	Live print scanner with holographic platen	Granted
Cross Match Technologies, Inc.	R: 8/23/2005 P: 2/20/2007	11/209,037 7,180,643	Live print scanner with holographic imaging at different magnifications	Granted
Cross Match Technologies, Inc.	R: 10/31/2008	12/290,564	Apparatus and method for two eye imaging for iris identification	Filed
Cross Match Technologies, Inc.	R: 11/3/2009	12/590,153	Apparatus and method for the identification of fake fingerprints	Filed
Cross Match Technologies, Inc.	R: 11/12/2010	12/927,352	Apparatus and method for determining sequencing of fingers in images to a two-finger scanner of fingerprint images	Filed
Cross Match Technologies, Inc.	R: 5/17/2011	61/486,766	Thin film transistor sensors for fingerprint scanning	Filed
Cross Match Technologies, Inc.	R: 7/29/2011	61/574,264	Image enhancing membrane for fingerprint scanners	Filed
Cross Match Technologies, Inc.	R: 11/11/2011	61/558,497	Ambient light rejection for non-imaging contact sensors	Filed
Cross Match Technologies, Inc.	R: 11/12/2011	61/559,071	Ambient light illumination for non-imaging contact sensors	Filed

Grantor	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
Inc.				

Grantor	Date of Registration / Date of Patent	Application No./ Registration No.	Title of Patent or Patent Application	Status
<u>Cross Match Technologies GmbH</u>	R: 2/5/2001 P: 6/18/2002	09/762,351 6,407,804	Assembly for detecting the superficial structures of fingers and/or palms	Granted
<u>Cross Match Technologies GmbH</u>	R: 7/7/2000 P: 9/21/2004	09/582,977 6,795,570	Process and apparatus for the electronic recording of an image	Granted
<u>Cross Match Technologies GmbH</u>	R: 12/13/2002 P: 10/31/2006	10/319,178 7,130,456	Method and arrangement for low-distortion recordings of the intensity patterns occurring on a contact surface through frustrated total reflection	Granted
<u>Cross Match Technologies GmbH</u>	R: 12/7/2004 P: 11/3/2009	11/008,819 7,613,334	Method and arrangement for electronic recording of rolled fingerprints	Granted
<u>Cross Match Technologies GmbH</u>	R: 1/27/2006 P: 7/28/2009	11/341,081 7,567,342	Arrangement for the optoelectronic recording of large area fingerprints	Granted

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/US12/064886	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>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
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>
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 -</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>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 - 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 -</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>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 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,	752575	Aug 21,	<u>METHOD AND</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
			1999		2007	<u>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 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</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>SERVER</u>
US	Issued	12/185,802	Aug 4, 2008	7,895,432	Feb 22, 2011	<u>METHOD AND APPARATUSFOR USING A THIRD PARTY AUTHENTICATION SERVER</u>
US	Issued	11/360,377	Feb 22, 2006	8,245,052	Aug 14, 2012	<u>METHOD AND APPARATUSFOR A TOKEN</u>
US	Issued	12/619,665	Nov 16, 2009	8,621,642	Dec 31, 2013	<u>METHOD AND APPARATUSFOR 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, 2007			<u>A METHOD AND APPARATUS FOR A 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/2008/01 0786	Feb 22, 2007			<u>A METHOD AND APPARATUS FOR A TOKEN</u>
US	Pending	14/144,426	Dec 30,			<u>METHOD AND APPARATUS FOR A</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
			2013			<u>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		

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</u>

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						<u>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>
US	Issued	29/432,525	9/17/2012	D720,359	12/30/2014	Animated Graphical User Interface for a Display
US	Issued	29/432,519	9/17/2012	D701,508	3/25/2014	Electronic Apparatus with Integrated Movable Display (Design)
US	Issued	29/432,521	9/17/2012	D721,715 S	1/27/2015	Animated Graphical User Interface for a Display
US	Pending	14/030,559	9/18/2013			Method and Apparatus

COUNTRY	STATUS	SERIAL NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	TITLE
						for Fingerprinting on the Basis of Fingerprint Scanners in Reliable High Quality