

PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
Cross Match, Inc.	07/13/2012
Cross Match Holdings, Inc.	07/13/2012
Cross Match Technologies, Inc.	07/13/2012
Cross Match Technologies GMBH	07/13/2012

RECEIVING PARTY DATA

Name:	Silicon Valley Bank, as Administrative Agent
Street Address:	8020 Towers Crescent Drive
Internal Address:	Suite 475
City:	Vienna
State/Country:	VIRGINIA
Postal Code:	22182

PROPERTY NUMBERS Total: 66

Property Type	Number
Patent Number:	6111977
Patent Number:	6178255
Patent Number:	6628813
Patent Number:	7103201
Patent Number:	6263090
Patent Number:	6272562
Patent Number:	6886104
Patent Number:	6483932
Patent Number:	7095880
Patent Number:	6744910
Patent Number:	7068822
Patent Number:	6687391

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Patent Number:	6658164
Patent Number:	7010148
Patent Number:	5900993
Patent Number:	7162060
Patent Number:	6983062
Patent Number:	7657067
Patent Number:	6928195
Patent Number:	7319565
Patent Number:	6809303
Patent Number:	6872916
Patent Number:	7308122
Patent Number:	7203344
Patent Number:	8073209
Patent Number:	6954260
Patent Number:	6867850
Patent Number:	7586591
Patent Number:	7271881
Patent Number:	D478905
Patent Number:	D483755
Patent Number:	7079007
Patent Number:	6944768
Patent Number:	7073711
Patent Number:	6930792
Patent Number:	7652780
Patent Number:	6996259
Patent Number:	7048424
Patent Number:	7164440
Patent Number:	7218761
Patent Number:	6993165
Patent Number:	7321671
Patent Number:	7190535
Patent Number:	7081951
Patent Number:	6954261
Patent Number:	7119890
Patent Number:	7119889

	7277562
Patent Number:	7747046
Patent Number:	7953259
Patent Number:	7426020
Patent Number:	D518482
Patent Number:	7221489
Patent Number:	7180643
Application Number:	12290564
Application Number:	12590153
Application Number:	12927352
Application Number:	61486766
Application Number:	61574264
Application Number:	61558497
Application Number:	61559071
Patent Number:	6407804
Patent Number:	6795570
Patent Number:	7130456
Patent Number:	7613334
Patent Number:	7567342

**CORRESPONDENCE DATA**

Fax Number: (302)636-5454  
Phone: 202-408-3121 x2348  
Email: jpaterso@cscinfo.com

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

Correspondent Name: Corporation Service Company  
Address Line 1: 1090 Vermont Avenue NW, Suite 430  
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER: 275371

NAME OF SUBMITTER: Jean Paterson

Total Attachments: 13  
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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
CROSS MATCH, INC.

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: SILICON VALLEY BANK, AS ADMINISTRATIVE AGENT  
Internal Address: SUITE 475  
Street Address: 8020 TOWERS CRESCENT DRIVE  
City: VIENNA  
State: VIRGINIA  
Country: UNITED STATES Zip: 22182  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) JULY 13, 2012

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s) SEE ATTACHED SCHEDULE A  
B. Patent No.(s) SEE ATTACHED SCHEDULE A

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: CORPORATION SERVICE COMPANY  
Internal Address: \_\_\_\_\_  
Street Address: 1180 AVENUE OF THE AMERICAS  
City: NEW YORK  
State: NEW YORK Zip: 10036  
Phone Number: 212-299-5600  
Fax Number: 212-299-5656  
Email Address: \_\_\_\_\_

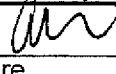
**6. Total number of applications and patents involved:** 66

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**  JULY 13, 2012  
Signature Date  
ANDREW NASH  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 13

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ADDENDUM TO PATENT cover page

Additional names of conveying parties:

**CROSS MATCH HOLDINGS, INC.**, a Delaware corporation

**CROSS MATCH TECHNOLOGIES, INC.**, a Delaware corporation

**CROSS MATCH TECHNOLOGIES GMBH**, a German limited liability company

## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (this "*Agreement*"), dated as of July 13, 2012, is entered into by and among **CROSS MATCH, INC.**, a Delaware corporation ("*Holdings*"), **CROSS MATCH HOLDINGS, INC.**, a Delaware corporation ("*Parent*"), **CROSS MATCH TECHNOLOGIES, INC.**, a Delaware corporation 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*") and **SILICON VALLEY BANK** (the "*Assignee*"), as Administrative Agent pursuant to (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*"), among the Assignee, certain of the Grantors and certain of the Grantors' affiliates, 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*"), between, among others, certain of the Grantors, the Assignee, and certain Lenders party thereto.

Capitalized terms not otherwise defined herein have the respective meanings ascribed to them in the Guarantee and Collateral Agreement or the Credit Agreement, as applicable.

WHEREAS, pursuant to the Guarantee and Collateral Agreement, each Grantor has granted in favor of the Assignee a security interest in certain Collateral, including the Patents set forth on Schedule A hereto as of the date hereof.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each Grantor and the Assignee hereby agree as follows:

1. Grant of Security Interest

(a) Subject to the terms and conditions of the Guarantee and Collateral Agreement, to evidence further the security interest granted by each Grantor to the Assignee pursuant to the Guarantee and Collateral Agreement, each Grantor hereby grants to the Assignee a security interest in all of such Grantor's right, title and interest in, to and under the Patents, whether now owned or existing or at any time hereafter acquired or arising and wherever located, as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of such Grantor's Obligations. For the purposes of this Agreement, "Patents" means (i) all letters patent of the United States, any other country or any political subdivision thereof, all reissues and extensions thereof and all goodwill associated therewith, including, without limitation, any of the foregoing referred to on Schedule A hereto, (ii) all applications for letters patent of the United States or any other country and all divisions, continuations and continuations-in-part thereof, including, without limitation, any of the foregoing referred to on Schedule A hereto, and (iii) all rights to obtain any reissues or extensions of the foregoing.

(b) Schedule A hereto contains a true and accurate list of all of each Grantor's federally registered United States Patents existing as of the date hereof.

(c) The security interest granted hereby is granted concurrently and in conjunction with the security interest granted to the Assignee under the Guarantee and Collateral Agreement. In the event that any of the provisions of this Agreement are in conflict with the Guarantee and Collateral Agreement, the provisions of the Guarantee and Collateral Agreement shall govern. For the avoidance of doubt, the limitations set out in section 2.8 of the Guarantee and Collateral Agreement shall apply to the security granted pursuant to this Agreement and shall be incorporated herein as if set out in full in this Agreement.

2. Modifications

This Agreement or any provision hereof may not be changed, waived, or terminated except in accordance with the amendment provisions of the Credit Agreement. In connection with the foregoing, each Grantor authorizes the Assignee, upon notice to such Grantor, to modify this Agreement without obtaining such Grantor's signature to such modification, to the extent that such modification constitutes an amendment of Schedule A hereto, to add any right, title or interest in any Patent owned or subsequently acquired by such Grantor or to delete any reference to any right, title or interest in any Patent in which such Grantor no longer has or claims any right, title or interest. Each Grantor additionally agrees to execute any additional agreement or amendment hereto as may be reasonably required by the Assignee from time to time, to subject any such owned or subsequently acquired right, title or interest in any Patent to the security interests and perfection created or contemplated hereby or by the Guarantee and Collateral Agreement.

3. Applicable Law

THIS AGREEMENT 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.

4. Counterparts

This Agreement may be executed by one or more of the parties to this Agreement on any number of separate counterparts (including by telecopy or other electronic means), and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

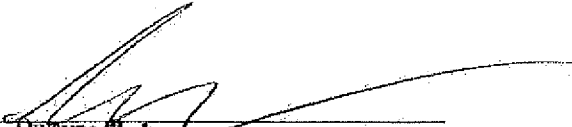
*[Signature page follows.]*



IN WITNESS WHEREOF, each of the undersigned has caused this Agreement to be duly executed and delivered as of the date first above written.

**ASSIGNEE:**

**SILICON VALLEY BANK,**  
as Administrative Agent

By:   
Name: Dwayne Shuler  
Title: Director

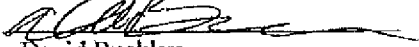
Address of Assignee:

Silicon Valley Bank  
8020 Towers Crescent Drive, Suite 475  
Vienna, VA 22182  
Attention: Dwayne Shuler  
Facsimile No.: 703-356-7643

[Signature Page to Patent Security Agreement]

**GRANTORS:**

**CROSS MATCH, INC.**

By:   
Name: David Buckley  
Title: President

Address of Grantors:

c/o Francisco Partners  
One Letterman Drive  
Building C - Suite 410  
San Francisco, CA 94129

Attention: Keith Geeslin and Sky Kurtz  
Facsimile No.: 415-418-2999

**CROSS MATCH HOLDINGS, INC.**

By:   
Name: David Buckley  
Title: President

Address of Grantors:

c/o Francisco Partners  
One Letterman Drive  
Building C - Suite 410  
San Francisco, CA 94129

Attention: Keith Geeslin and Sky Kurtz  
Facsimile No.: 415-418-2999

Signature Page to Patent Security Agreement

**CROSS MATCH TECHNOLOGIES, INC.**

By: 

Name: David Buckley

Title: Chief Executive Officer

Address of Grantors:

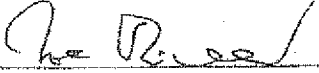
3950 RCA Boulevard, Suite 5001  
Palm Beach Gardens, Florida 33410

Attention: David Buckley, Chief Executive Officer  
Facsimile No.: 561-622-9938

Signature Page to Patent Security Agreement

**PATENT**  
**REEL: 028541 FRAME: 0569**

CROSS MATCH TECHNOLOGIES GMBH

By:   
Name: Uwe Richter  
Title: Managing Director/ Geschäftsführer

Address of Grantors:

Cross Match Technologies GmbH  
Unstrutweg 4  
07743 Jena  
Germany

Attention: +49 (0) 3641 4297 43  
Facsimile No.: +49 (0) 3641 4297 10  
E-mail: Uwe.Richter@CrossMatch.com

Signature Page to Patent Security Agreement

Schedule A to PATENT SECURITY AGREEMENT

Registrations and Applications for United States 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 Technologies, Inc.	R: 5/9/1997 P: 5/4/1999	08/854,157 5,900,993	Lens Systems For Use In Fingerprint Detection	Granted

Grantor	Date of Registration / Date of Patent	Application No. / Registration No.	Title of Patent or Patent Application	Status
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 Rotating 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
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-Contrast Print Images	Granted

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



<u>Grantor</u>	<u>Date of Registration / Date of Patent</u>	<u>Application No. / Registration No.</u>	<u>Title of Patent or Patent Application</u>	<u>Status</u>
<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