503152551 01/27/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3199164

| CONVEYING PARTY DATA Name Execution Date DONALD MARTIN MONRO 05/08/2013 RECEIVING PARTY DATA Name: BRAINSTORM INTERNATIONAL SERVICES LIMITED Street Address: PO BOX 905, ROAD TOWN City: TORTOLA State/Country: VIRGIN ISLANDS, BRITISH PROPERTY NUMBERS Total: 7 Property Type Number Patent Number: 7650020 Patent Number: 7650020 Patent Number: 7650020 Patent Number: 8036466 Patent Number: 7809747 Patent Number: 8577094 Application Number: 13235560 CORRESPONDENCE DATA Fax Number: 203216057 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. Phone: 4083216057 Email: jiostic@tessera.com Correspondento Name: ADDEW ARNDA Address Line 1: 3025 ORCHARD PARKWAY Address Line 1: 3025 ORCHARD PARKWAY | SUBMISSION TYPE: | | NEW ASSIGNMENT | | | | |
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| Property TypeNumberPatent Number:7650020Patent Number:7844084Patent Number:8055074Patent Number:8036466Patent Number:7809747Patent Number:8577094Application Number:13295560CORRESPONDENCE DATA Fax Number: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.Phone:4083216057Email:jkostic@tessera.comCorrespondent Name:ANDREW ARANDAAddress Line 1:3025 ORCHARD PARKWAYAddress Line 4:SAN JOSE, CALIFORNIA 95134ATTORNEY DOCKET NUMBER:ACQ-SSLVAME OF SUBMITTER:JENNIFER KOSTICSIGNATURE:/Jennifer Kostic/DATE SIGNED:01/27/2015 | | | | | | | |
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| Patent Number: 7809747 Patent Number: 8577094 Application Number: 13295560 CORRESPONDENCE DATA Fax Number: CORRESPONDENCE DATA Fax Number: 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. Phone: 4083216057 Email: jkostic@tessera.com Correspondent Name: ANDREW ARANDA Address Line 1: 3025 ORCHARD PARKWAY Address Line 4: SAN JOSE, CALIFORNIA 95134 ACQ-SSL VAME OF SUBMITTER: JENNIFER KOSTIC SIGNATURE: /Jennifer Kostic/ DATE SIGNED: 01/27/2015 | Patent Number: 80 | | 5074 | | | | |
| Patent Number: 8577094 Application Number: 13295560 CORRESPONDENCE DATA Fax Number: | Patent Number: 803 | | 466 | | | | |
| Application Number: 13295560 CORRESPONDENCE DATA Fax Number: 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. Phone: 4083216057 Email: jkostic@tessera.com Correspondent Name: ANDREW ARANDA Address Line 1: 3025 ORCHARD PARKWAY Address Line 4: SAN JOSE, CALIFORNIA 95134 ATTORNEY DOCKET NUMBER: ACQ-SSL JAME OF SUBMITTER: JENNIFER KOSTIC SIGNATURE: /Jennifer Kostic/ OATE SIGNED: 01/27/2015 | Patent Number: 7809 | | 747 | | | | |
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| ATTORNEY DOCKET NUMBER:ACQ-SSLNAME OF SUBMITTER:JENNIFER KOSTICSIGNATURE:/Jennifer Kostic/DATE SIGNED:01/27/2015 | Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: | e sent to the provided; if 408 jkos ANI 302 | <i>that is unsuccessful, it wi</i> 3216057 stic@tessera.com DREW ARANDA 25 ORCHARD PARKWAY | ill be sent via US M | • | | |
| NAME OF SUBMITTER:JENNIFER KOSTICSIGNATURE:/Jennifer Kostic/DATE SIGNED:01/27/2015 | | | | у -т | | | |
| SIGNATURE: /Jennifer Kostic/ DATE SIGNED: 01/27/2015 | | | | | | | |
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source=130508 Signed Dated Assignment of Intellectual Property fm Don to Brainstorm#page1.tif source=130508 Signed Dated Assignment of Intellectual Property fm Don to Brainstorm#page2.tif source=130508 Signed Dated Assignment of Intellectual Property fm Don to Brainstorm#page3.tif source=130508 Signed Dated Assignment of Intellectual Property fm Don to Brainstorm#page4.tif This assignment dated a 2013 is made between

1. Donald Martin Monro whose home address is 6 The Lays, Goose Street, Beckington, Somerset, BA11 6RS (The Assignor) and

2. Brainstorm International Services Limited a company incorporated in the British Virgin Islands whose registered off ice is at PO Box 905, Road Town, Tortola, British Virgin Islands (Registration No 687011) (The Assignee).

RECITALS

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- By an a assignment made 1 December 2005, The Assignor has assigned all of his rights to income and any capital or any non-recurring sum from all the current and future Inventions and certain previously unassigned Patents and previously unassigned Patent Applications as listed in Appendix A (the Intellectual Property).
- 2. By virtue of the 1 December 2005 assignment, the Intellectual Property has no financial value in the hands of the Inventor.
- The Patents and Patent Applications listed in Schedule 1 are the subject of exploitation licenses between the Inventor and Smart Sensors Limited and BAE Systems plc (The Licenses).
- 4. The Assignor now wishes to additionally assign full title to the intellectual Property to the Assignee.

ASSIGNMENT

in consideration of the sum of £1 (One Pound Sterling) paid by the Assignee to the Assignor (receipt of which is hereby acknowledged by the Assignor) the Assignor hereby **ASSIGNS WITH FULL TITLE GUARANTEE** to the Assignee all of his rights, title and interest (if any) in and to the in the Intellectual Property in addition to rights previously assigned to the Assignee, including Applications and the Patents listed in Appendix A and all the rights, powers, privileges and immunities arising or accrued therefrom TO HOLD unto the Assignee **ABSOLUTELY**;

this Assignment includes any right of the Assignee to bring action and claim relief in respect of any infringement which occurred prior to the date hereof of any of the Patents listed in Appendix A and/or of any patent granted on any of the Applications listed in Appendix A;

this Assignment includes all of the Assignor's right, title and interest to and in any and all inventions disclosed in the patents listed in Appendix A and applications listed in Appendix A and any and all counterpart UK, European, United States, international and foreign patents, applications and certificates of invention based upon or covering any portion of the foregoing, and all reissues, re-examinations, divisionals, renewals, extensions, provisionals, continuations and continuations-in-part of any of the foregoing, including the right to claim priority therefrom;

ACT & MC

the Assignor further covenants on behalf of himself, his successors and personal representatives that at the request and cost of the Assignee they will at all times hereafter do all such acts and execute all such documents as may reasonably be necessary or desirable to secure the vesting in the Assignee of all rights assigned to the Assignee hereunder;

the terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors and assigns, and shall be binding upon Assignor, his successor and personal representatives; and

this Assignment is to be interpreted in accordance with the laws of England.

The Assignor hereby assigns and transfers to the Assignee full benefit of the Licenses with all rights and obligations thereunder.

WARRANTY

No Warranty whatsoever from the Assignor to the Assignee is given or implied in respect of the Intellectual Property.

No Warranty whatsoever from the Assignee to the Assignor is given or implied as a result of this Assignment.

Signed by

COL

Donald Martin Monro (The Assignor)

Before me SHUTH MRS RENAUE Name Address 4 THE LAYS, GODGE ST. BECKINGTON, ROME, BALLERS Occupation Refired (teacher)

Brainstorm International Services Limited

(The Assignee) E.C. Edwards Authorised Signatory

A. Marial Authorised Sightstein

For and on behalf of **Bourse** Directors Limited



APPENDIX A - PATENTS AND APPLICATIONS

| Subject | Reference | Phase | Priority Date | Status | Comments |
|--|-------------------|---------------------------|------------------|---|--|
| (401) Identification of Image Characteristics | EP 1751695 | European region | 1 Jun 04 | Granted 8 Jan 2008 in Europe with broad coverage in major EU states. | Method of image feature identification and extraction that underpins iris recognition |
| | US 7,650,020 | USA | | Granted 19 Jan 2010 | claims, and can be used with |
| | ТВА | India national | | Pending | other imaging applications. |
| [406] Shape representation using Fourier Transforms | US 8,055,074 | USA | 17 Jan 07 | Granted 8 Nov 2011 | Non-circular, low complexity fitting methods for iris and pupil |
| | 200880002392.8 | CHINA | | Granted 28 Jan 2013 | |
| | EP 2104908 | Europe | | Granted 3 Feb 2012 | |
| | TBA | Japan | | Granted | |
| [407] Shape representation using Cosine Transforms | US 8,036,466 | USA | 17 Jan 07 | Granted 11 Oct 2011 | Non-circular, low complexity fitting |
| | 200880002404.7 | CHINA | | Grant approved | methods for iris and pupil |
| | EP 2102793 | Europe | | Granted 15 Feb 2011 | |
| [402] Rotation Invariant Iris Matching | US 7,844,084 | USA | 27 Feb 2006 | Granted 30 Nov 2010 | Method of compensating for rotation in single iris images |
| [405] Fuzzy database | US 7,809,747 | USA | 23 Oct 2006 | Granted 5 Oct 2010 | Fuzzy indexed rapid large scale |
| matching | EP 2095277 TBA | Europe India, Japan | | Pending Pending | matching method for use with template data |
| [404] and [404A] Fast database matching | US 20080097992 | USA national | 23 Oct 2006 | Continuation | Reverse indexed rapid large scale matching method for use with template data |
| [411] | US | USA | 28 Aug | Withdrawn | Alternative |

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| Subject | Reference | Phase | Priority Date | Status | Comments |
|---|-------------------|--|------------------|---|---|
| Determination of image similarity | 20090060438 | national | 2007 | (but available to register in China if required) | method of determining image similarity using a vector technique |
| [412] Image Template | US 20110249872 | USA national | 10 Apr 2010 | Pending | Method of masking |
| Masking | EP 2556465 | Europe | | Pending | undesired iris |
| | TBA | China | | Pending | texture from |
| | TBA | india, Japan, Malaysia, South Africa | | Pending | image to template |
| | | | | | |

