

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7807973

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAON ENTERPRISES LIMITED	11/23/2022
RECEIVING PARTY DATA	
Name:	DAON TECHNOLOGY
Street Address:	IFSC HOUSE
Internal Address:	CUSTOM HOUSE QUAY
City:	DUBLIN
State/Country:	IRELAND
Postal Code:	1
PROPERTY NUMBERS Total: 101	
Property Type	Number
Patent Number:	7522751
Patent Number:	7545961
Patent Number:	7545962
Patent Number:	7685629
Patent Number:	7865937
Patent Number:	8443202
Patent Number:	9202028
Patent Number:	9202032
Patent Number:	9485251
Patent Number:	9781107
Patent Number:	10320782
Patent Number:	7835548
Patent Number:	8989520
Patent Number:	8031981
Patent Number:	8041956
Patent Number:	8977861
Patent Number:	8064645
Patent Number:	8457370
Patent Number:	9519820

Property Type	Number
Patent Number:	8548206
Patent Number:	8085992
Patent Number:	9112858
Patent Number:	9519821
Patent Number:	9519818
Patent Number:	9202102
Patent Number:	9298999
Patent Number:	9400915
Patent Number:	9679193
Patent Number:	9990528
Patent Number:	10235550
Patent Number:	10607054
Patent Number:	8453207
Patent Number:	8959359
Patent Number:	9213811
Patent Number:	8520903
Patent Number:	8526682
Patent Number:	8634599
Patent Number:	8527360
Patent Number:	8548207
Patent Number:	8774472
Patent Number:	9202120
Patent Number:	9641523
Patent Number:	10002302
Patent Number:	10169672
Patent Number:	10503991
Patent Number:	10984271
Patent Number:	11462055
Patent Number:	8595808
Patent Number:	8607319
Patent Number:	8661558
Patent Number:	9230127
Patent Number:	8769286
Patent Number:	9544286
Patent Number:	8826030
Patent Number:	8832443
Patent Number:	9673986
Patent Number:	8850534

Property Type	Number
Patent Number:	9363265
Patent Number:	9479501
Patent Number:	8868921
Patent Number:	8990572
Patent Number:	8990906
Patent Number:	9020213
Patent Number:	9589180
Patent Number:	9202119
Patent Number:	9262615
Patent Number:	9305225
Patent Number:	9805279
Patent Number:	9385868
Patent Number:	9613199
Patent Number:	10095853
Patent Number:	10733281
Patent Number:	11074327
Patent Number:	9646613
Patent Number:	10140537
Patent Number:	9934443
Patent Number:	10430679
Patent Number:	10210318
Patent Number:	10084776
Patent Number:	10217009
Patent Number:	10210380
Patent Number:	10628661
Patent Number:	11115408
Patent Number:	10592728
Patent Number:	10083696
Patent Number:	10685251
Patent Number:	11074469
Patent Number:	10652342
Patent Number:	10970576
Patent Number:	11416594
Patent Number:	11250281
Application Number:	17818500
Application Number:	16435595
Application Number:	16847003
Application Number:	17173421

Property Type	Number
Application Number:	17122179
Application Number:	17307010
Application Number:	17529344
Application Number:	17572721
Application Number:	17832741
Application Number:	17977032

CORRESPONDENCE DATA

Fax Number: (703)984-4024

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: 7039844024

Email: kevin.mcdermott@daon.com

Correspondent Name: KEVIN MCDERMOTT

Address Line 1: 4097 MONUMENT CORNER DRIVE

Address Line 2: SUITE 550

Address Line 4: FAIRFAX, VIRGINIA 22030

NAME OF SUBMITTER: KEVIN MCDERMOTT

SIGNATURE: /Kevin McDermott/

DATE SIGNED: 02/22/2023

Total Attachments: 25

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DATED 23rd NOVEMBER 2022

INTRA-GROUP ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

between

Daon Enterprises Limited

and

Daon Technology

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This agreement is dated the 23rd day of November 2022.

Parties

- (1) **DAON ENTERPRISES LIMITED** a private company limited by shares incorporated in the Isle of Man under registration number 018468V and having its registered office at The Red House, One The Parade, Castletown, Isle of Man, IM9 1LG and also tax resident in Malta with Overseas Company registration number 1395 and registered address at 4, V. Dimech Street, Floriana FRN 1504, Malta (**Assignor**); and
- (2) **DAON TECHNOLOGY** a private company incorporated in the Isle of Man with company number 014255V whose registered office is at 2nd Floor Clarendon House, Victoria Street, Douglas, Isle of Man IM1 2LN and also having its place of business at IFSC House, Custom House Quay, Dublin 1, Ireland with Companies Registration Office number 908964 (**Assignee**)

BACKGROUND

- (A) The Assignor owns the Intellectual Property Rights (as defined below).
- (B) Daon Holdings Limited, an exempted company incorporated in the Cayman Islands, is the 100% immediate parent entity of both the Assignor and the Assignee.
- (C) By the Main Agreement (as defined below) the Assignor has agreed to assign to the Assignee the Intellectual Property Rights shown in the Schedules to this agreement on the terms set out in this agreement.

Agreed terms

1. Interpretation

The following definitions and rules of interpretation apply in this agreement.

1.1 Definitions:

Assigned Rights: the Patents, Trade Marks and all the Intellectual Property Rights set out in Schedule 1.

Business Day: a day, other than a Saturday, Sunday or public holiday in the Isle of Man, when banks in the Isle of Man are open for business.

Day: a period of 24 consecutive hours ending at 12.00 midnight.

Intellectual Property Rights: patents, utility models, rights to inventions, copyright and neighbouring and related rights, trade marks and service marks, business names and domain names, rights in get-up and trade dress, goodwill and the right to sue for passing off or unfair

competition, rights in designs, database rights, rights to use, and protect the confidentiality of, confidential information (including know-how and trade secrets), and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world.

Main Agreement: an intellectual property transfer agreement dated 23rd November 2022 between the Assignor and the Assignee.

Patents: the patents and the applications, short particulars of which are set out in Schedule 1.

Trade Marks: the registered trade marks and the applications and any unregistered trade marks and trade names, short particulars of which are set out in Schedule 1.

- 1.2 Clause, Schedule and paragraph headings shall not affect the interpretation of this agreement.
- 1.3 The Schedules form part of this agreement and shall have effect as if set out in full in the body of this agreement. Any reference to this agreement includes the Schedules.
- 1.4 A reference to a **company** shall include any company, corporation or other body corporate, wherever and however incorporated or established.
- 1.5 References to clauses and Schedules are to the clauses and Schedules of this agreement.
- 1.6 Unless the context otherwise requires, words in the singular shall include the plural and in the plural shall include the singular.
- 1.7 Unless the context otherwise requires, a reference to one gender shall include a reference to the other genders.
- 1.8 This agreement shall be binding on, and enure to the benefit of, the parties to this agreement and their respective personal representatives, successors and permitted assigns, and references to any party shall include that party's personal representatives, successors and permitted assigns.
- 1.9 {Unless expressly provided otherwise in this agreement, a reference to legislation or a legislative provision is a reference to it as amended, extended or re-enacted from time to time.
- 1.10 Unless expressly provided otherwise in this agreement, a reference to legislation or a legislative provision shall include all subordinate legislation made from time to time under that legislation or legislative provision.
- 1.11 A reference to **writing** or **written** includes faxes and email.

- 1.12 Where any statement is qualified by the expression **so far as PARTY is aware or to PARTY's knowledge** (or any similar expression), that statement shall be deemed to include an additional statement that it has been made after due and careful enquiry.
- 1.13 Any words following the terms **including, include, in particular, for example** or any similar expression shall be construed as illustrative and shall not limit the sense of the words, description, definition, phrase or term preceding those terms.
- 1.14 A **person** includes a natural person, corporate or unincorporated body (whether or not having separate legal personality).
- 1.15 Any obligation on a party not to do something includes an obligation not to allow that thing to be done.
- 1.16 A reference to **this agreement** or to any other agreement or document is a reference to this agreement or such other agreement or document, in each case as varied from time to time.

2. Assignment

Pursuant to and for the consideration set out in the Main Agreement the receipt of which the Assignor expressly acknowledges, the Assignor hereby assigns to the Assignee absolutely with full title guarantee all its right, title and interest in and to the Assigned Rights, including:

- (a) the absolute entitlement to any registrations granted pursuant to any of the applications comprised in the Patents, Registered Designs and Trade Marks;
- (b) all goodwill attaching to the Trade Marks and in respect of the business relating to the goods or services for which the Trade Marks are registered or used; and
- (c) the right to bring, make, oppose, defend or appeal proceedings, claims or actions, and obtain relief and to retain any damages recovered, in respect of any infringement, or any other cause of action arising from ownership, of any of the Assigned Rights, whether occurring before, on, or after the date of this agreement.

3. Warranties

The Assignor warrants that:

- (a) it is the sole legal and beneficial owner of, and owns all the rights and interests in, the Assigned Rights;
- (b) for each of the applications and registrations listed in Schedule 1 it is properly registered as the applicant or registered proprietor, and all application, registration and renewal fees have been paid;
- (c) it has not licensed or assigned any of the Assigned Rights;
- (d) the Assigned Rights are free from any security interest, option, mortgage, charge or lien;

- (e) it is unaware of any infringement or likely infringement of any of the Assigned Rights;
- (f) as far as it is aware, all the Assigned Rights are valid and subsisting and there are and have been no claims, challenges, disputes or proceedings, pending or threatened, in relation to the ownership, validity or use of any of the Assigned Rights, and there is nothing that might prevent any application listed in Schedule 1 proceeding to grant;
- (g) as far as it is aware, exploitation of the Assigned Rights will not infringe the rights of any third party;
- (h) all previous assignments of the applications and registrations listed in Schedule 1 are valid and were registered within applicable time limits;

4. Indemnity

4.1 The Assignor shall indemnify the Assignee against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal costs (calculated on a full indemnity basis) and all other [reasonable] professional costs and expenses) suffered or incurred by the Assignee arising out of or in connection with:

- (a) any breach of the warranties contained in clause 3;
- (b) the enforcement of this agreement.

4.2 At the request of the Assignee and at the Assignor's own expense, the Assignor shall provide all reasonable assistance to enable the Assignee to resist any claim, action or proceedings brought against the Assignee as a consequence of any breach referred to in clause 4.1(a).

4.3 This indemnity shall apply whether or not the Assignee has been negligent or at fault.

4.4 If a payment due from the Assignor under this clause is subject to tax (whether by way of direct assessment or withholding at its source), the Assignee shall be entitled to receive from the Assignor such amounts as shall ensure that the net receipt, after tax, to the Assignee in respect of the payment is the same as it would have been were the payment not subject to tax.

4.5 Nothing in this clause shall restrict or limit the Assignee's general obligation at law to mitigate a loss it may suffer or incur as a result of an event that may give rise to a claim under this indemnity.

5. Further assurance

Each party shall, and shall use all reasonable endeavours to procure that any necessary third party shall, promptly execute and deliver such documents and perform such acts as may [reasonably] be required for the purpose of giving full effect to this agreement.

6. Waiver

No failure or delay by a party to exercise any right or remedy provided under this agreement or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

7. Entire agreement

7.1 This agreement constitutes the entire agreement between the parties and supersedes and extinguishes all previous agreements, promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.

7.2 Each party agrees that it shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this agreement. Each party agrees that it shall have no claim for innocent or negligent misrepresentation [or negligent misstatement] based on any statement in this agreement.

8. Variation

No variation of this agreement shall be effective unless it is in writing and signed by the parties (or their authorised representatives).

9. Severance

9.1 If any provision or part-provision of this agreement is or becomes invalid, illegal or unenforceable, it shall be deemed deleted, but that shall not affect the validity and enforceability of the rest of this agreement.

9.2 If any provision or part-provision of this agreement is deemed deleted under clause 9.1 the parties shall negotiate in good faith to agree a replacement provision that, to the greatest extent possible, achieves the intended commercial result of the original provision.

10. Counterparts

10.1 This agreement may be executed in any number of counterparts, each of which shall constitute a duplicate original, but all the counterparts shall together constitute the one agreement.

10.2 Transmission of an executed counterpart of this agreement (but for the avoidance of doubt not just a signature page) by (a) fax or (b) email (in PDF, JPEG or other agreed format) shall take effect as the transmission of an executed "wet-ink" counterpart of this agreement. No counterpart shall be effective until each party has provided to the other at least one executed counterpart.

11. Third-party rights

- 11.1 Unless it expressly states otherwise, this agreement does not give rise to any rights to third parties to enforce any term of this agreement.
- 11.2 The rights of the parties to rescind or vary this agreement are subject to the consent of any other person.

12. Notices

- 12.1 Any notice or other communication given to a party under or in connection with this agreement shall be in writing and shall be:
- (a) delivered by hand or by pre-paid first-class post or other next working day delivery service at its registered office (if a company) or its principal place of business (in any other case); or
 - (b) sent by fax to its main fax number or sent by email to the address specified
- 12.2 Any notice or communication shall be deemed to have been received:
- (a) if delivered by hand, at the time the notice is left at the proper address;
 - (b) if sent by pre-paid first-class post or other next working day delivery service, at 9.00 am on the second Business Day after posting; or
 - (c) if sent by fax or email, at the time of transmission, or, if this time falls outside business hours in the place of receipt, when business hours resume. In this clause 12.2(c), business hours means 9.00 am to 5.00 pm Monday to Friday on a day that is not a public holiday in the place of receipt.
- 12.3 This clause does not apply to the service of any proceedings or other documents in any legal action or, where applicable, any arbitration or other method of dispute resolution.

13. Governing law

This agreement and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of the Isle of Man.

14. Jurisdiction

Each party irrevocably agrees that the courts of the Isle of Man shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this agreement or its subject matter or formation.

This agreement has been entered into on the date stated at the beginning of it.

Schedule 1 Please see embedded file "Attachment 1 - Daon Patents and Trademarks



Attachment 1 - Daon
Patents and Trademarks
Nov2022.pdf" for full details

Execution:

Signed by
for and on behalf of DAON
ENTERPRISES LIMITED

DocuSigned by:
John Carbone
84E71F9A8B1D489...

Director

Signed by
for and on behalf of DAON
TECHNOLOGY

.....

Director

Execution:

Signed by
for and on behalf of DAON
ENTERPRISES LIMITED

.....

Director

Signed by
for and on behalf of DAON
TECHNOLOGY

DocuSigned by:
Martin Walshe
DF8E213A03FC475.....

Director

Title	Patent or Application Number
Biometric Authentication System and Method (BTI)	Australia 2003212617
System and Method for Protecting the Privacy and Security of Stored Biometric Data	<u>U.S.</u> 7,522,751 <u>Europe</u> UK 1 877 887 Ire 1 877 887 Ger 1 877 887 Fr 1 877 887 <u>Canada</u> 2,608,254 <u>Australia</u> 2005330619
Biometric Authentication System (Flexible ROC)	<u>U.S.</u> 7,545,961 <u>Europe</u> UK 1 969 527 Ire 1 969 527 Ger 1 969 527 Fr 1 969 527
Biometric Authentication System (Dynamic Update)	<u>U.S.</u> 7,545,962 <u>Europe</u> UK 1 969 528 Ire 1 969 528 Ger 1 969 528 Fr 1 969 528
Methods and Systems for Authenticating Users (IdentityX)	<u>U.S.</u> 7,685,629 7,865,937 8,443,202 9,202,028 9,202,032 9,485,251 9,781,107 10,320,782

	<u>Europe</u> UK 2 285 067 Ire 2 285 067 Ger 2 285 067 Fr 2 285 067 <u>Canada</u> 2,681,810 <u>Australia</u> 2009233608 <u>India</u> 362,559
Method and System for Conducting Identity Matching (Sequential Fusion)	<u>U.S.</u> 7,835,548 8,989,520 <u>Europe</u> UK 2 363 830 Ire 2 363 830 Ger 2 363 830 Fr 2 363 830 <u>Australia</u> 2011200808 <u>India</u> 380,875
Methods and Systems for Generating a subset of Biometric Representations (Generic Biometric Filter)	<u>U.S.</u> 8,031,981 <u>Europe</u> UK 2 073 147 Ire 2 073 147 Ger 2 073 147 Fr 2 073 147 <u>Australia</u> 2008261153
Method and System for Biometric Authentication (GOOGLE-I)	<u>U.S.</u> 8,041,956 8,977,861

Methods and Systems for Authenticating Users (PALM)	<u>U.S.</u> 8,064,645 8,457,370 9,519,820 <u>Canada</u> 2,764,736 <u>Australia</u> 2012200239 2016201334
Methods and Systems for Capturing Biometric Data (Hand-Glove)	<u>U.S.</u> 8,548,206 8,085,992 9,112,858 9,519,821 9,519,818 9,202,102 9,298,999 9,400,915 9,679,193 9,990,528 10,235,550 10,607,054 <u>Canadian Patent</u> 3,007,376 3,139,751 <u>Pending</u> 2,764,773 3,141,739 <u>Australia</u> 2012200236 2016200248 2016250489 2016250492 2017202906 2019200754 2021206815 (Pending)
Methods and Systems for Increasing the Security of Secret Authentication Data During Authentication Transactions (MePad)	<u>U.S.</u> 8,453,207 8,959,359 9,213,811

	<u>Europe</u> UK 2 685 401 Ire 2 685 401 Ger 2 685 401 Fr 2 685 401 <u>Canada</u> 2,795,603 <u>Australia</u> 2012250291
Method and System of Accounting for Positional Variability of Biometric Features (GOOGLE – II)	<u>U.S.</u> 8,520,903
Methods and Systems of Authentication (User Specific Thresholding)	<u>U.S.</u> 8,526,682 8,634,599 <u>Canada</u> 2,764,855 (Allowed, not yet issued) <u>Australia</u> 2012200238
Methods and Systems for Conducting Payment Transactions (Retail ID-X)	<u>U.S.</u> 8,527,360 <u>Australia</u> 2012202260
Method of Host-Directed Illumination and System for Conducting Host-Directed Illumination (Anti-Spoofing)	<u>U.S.</u> 8,548,207 8,774,472 9,202,120 9,641,523 10,002,302 10,169,672 10,503,991 10,984,271 11,462,055 17/818,500 (Pending)

	<u>Europe</u> UK 2 560 123 Ire 2 560 123 Ger 2 560 123 Fr 2 560 123 <u>Canada</u> 2,785,379 <u>Australia</u> 2012211507 2016201723 2017268670 2019201491 (Pending) 2021206815
Methods and Systems for Increasing the Security of Network-Based Transactions (Transaction Driven Authentication)	<u>U.S.</u> 8,595,808 <u>Europe</u> UK 2 605 567 Ire 2 605 567 Ger 2 605 567 Fr 2 605 567 <u>Canada</u> 2,798,071 <u>Australia</u> 2012261635
Methods and Systems for Determining Biometric Data for use in Authentication Transactions (Conditional Biometric Enrollment)	<u>U.S.</u> 8,607,319 <u>Canada</u> 2,795,601
Methods and Systems for Increasing the Security of Electronic Messages (Mobile Trust X)	<u>U.S.</u> 8,661,558 9,230,127 8,769,286 9,544,286 <u>Europe</u> UK 2 573 986 Ire 2 573 986 Ger 2 573 986

	Fr 2 573 986 <u>Canada</u> 2,804,465 2,788,368 <u>Australia</u> 2012216564 2013200453
Methods and Systems for Authenticating Users (VbV)	<u>U.S.</u> 8,826,030 <u>Europe</u> UK 2 369 523 Ire 2 369 523 Ger 2 369 523 Fr 2 369 523 <u>Canada</u> 2,734,206 <u>Australia</u> 2011201164 2016222498
Methods and Systems for Increasing the Security of Private Keys (Cryptographic Service Provider)	<u>U.S.</u> 8,832,443 9,673,986
Methods and Systems for Enhancing the Accuracy Performance of Authentication Systems (Voice-Text Matching)	<u>U.S.</u> 8,850,534 9,363,265 9,479,501 <u>Europe</u> UK 2 683 131 Ire 2 683 131 Ger 2 683 131 Fr 2 683 131 UK 2 863 608 Ire 2 863 608 Ger 2 863 608 Fr 2 863 608 <u>Canada</u> 2,819,767

	<u>Australia</u> 2013206619 2016247162
Methods and Systems for Authenticating Users over Networks (TOTP Authentication)	<u>U.S.</u> 8,868,921
Methods and Systems for Conducting Smart Card Transactions (Smart Card Emulation)	<u>U.S.</u> 8,990,572 <u>Canada</u> 2,813,855 <u>Australia</u> 2013205396
Methods and Systems Replacing Shared Secret over Networks (TOTP Replacement)	<u>U.S.</u> 8,990,906
Methods and Systems for Detecting Biometric Characteristics in an Image (Eye Detection)	<u>U.S.</u> 9,020,213 9,589,180 <u>Europe</u> UK 2 863 337 Ire 2 863 337 Ger 2 863 337 Fr 2 863 337
Methods and Systems for Determining User Liveness (MAD)	<u>U.S.</u> 9,202,119 <u>Europe</u> UK 2 863 339 Ire 2 863 339 Ger 2 863 339 Fr 2 863 339
Methods and systems for improving the security of secret authentication data during authentication transactions - (related to MePad)	<u>U.S.</u> 9,262,615
Methods and systems for determining user liveness - (Eye Blink)	<u>U.S.</u> 9,305,225 9,805,279

	<u>Europe</u> UK 2 869 238 Ire 2 869 238 Ger 2 869 238 Fr 2 869 238
Methods and systems for testing biometric authentication systems – (Continuous Benchmarking)	<u>U.S.</u> 9,385,868
Methods and Systems for Ensuring that an Individual is Authorized to conduct an Activity (Uber)	<u>U.S.</u> 9,613,199 10,095,853 10,733,281 11,074,327
Methods and Systems for Splitting a Digital Signal (Voice X)	<u>U.S.</u> 9,646,613
Methods and Systems for Capturing Biometric Data	<u>U.S.</u> 10,140,537 <u>Canada</u> 2,831,193 <u>Australia</u> 2013248198
Methods and Systems for Detecting User Head motion During an Authentication Transaction (Head Motion Detection)	<u>U.S.</u> 9,934,443 10,430,679 <u>Europe</u> UK 3 076 321 Ire 3 076 321 Ger 3 076 321 Fr 3 076 321 <u>Canada</u> 2,922,342 (Pending) 3,177,992 <u>Australia</u> 2016201759

Methods and Systems for Capturing biometric Data (Gyro)	<u>U.S.</u> 10,210,318 <u>Canada</u> 2,949,642 (Pending) <u>Australia</u> 2016266041 (Pending) 2022201107 (Pending)
Methods and Systems for Authenticating Users (Face Continuity)	<u>U.S.</u> 10,084,776 <u>EPO</u> 17159625.7 (Pending) <u>Canada</u> 2,959,085 (Pending) <u>Australia</u> 2017201463
Methods and Systems for Enhancing User Liveness Detection (Pose Validation)	<u>U.S.</u> 10,217,009 10,210,380 10,628,661 11,115,408 <u>Europe</u> UK 3 282 390 Ire 3 282 390 Ger 3 282 390 Fr 3 282 390 <u>EPO</u> 20169919.6 (Pending) <u>Canada</u> 2,975,127 (Pending)

	<u>Australia</u> 2017213464 2022203880 (Pending)
Methods and Systems for Enhancing User Liveness Detection (another CIP of pose Validation)	<u>U.S.</u> 10,592,728
Methods and Systems for Determining User Liveness (Replay Detection)	<u>U.S.</u> 10,083,696 <u>Europe</u> UK 3 373 177 Ire 3 373 177 Ger 3 373 177 Fr 3 373 177 <u>Australia</u> 2018201573
Methods and Systems for Detecting User Liveness (Monochrome Flashing)	<u>U.S.</u> 10,685,251 11,074,469 <u>EPO</u> 19157244.5 (Pending) <u>Canada</u> 3,033,807 (Pending) <u>Australia</u> 2019201152 (Pending)
Methods and Systems for Identifying a Client Computer System	<u>U.S.</u> 10,652,342 <u>EPO</u> U.K 3 567 830 Ire 3 567 830 Ger 3 567 830 Fr 3 567 830 <u>Canada</u> 3,039,945 (Pending)

	<u>Australia</u> 2019202915 (Pending)
Methods and Systems for Capturing Image Data	<u>U.S.</u> 10,970,576 <u>EPO</u> 19188319.8 (Pending) <u>Canada</u> 3,050,500 (Pending) <u>Australia</u> 2019208246 (Pending)
Methods and Systems for Authenticating a User	<u>U.S.</u> 16/435,595 (Pending)
Methods and Systems for Displaying a Visual Aid (3DFL)	<u>U.S.</u> 16/716,958 (Abandoned) <u>EPO</u> 20196733.8 (Abandoned) <u>Canada</u> 3,091,068 (Pending) <u>Australia</u> 2020223756 (Pending)
Methods and Systems for Inhibiting the Spread of a Pathogen	<u>U.S.</u> 16/847,003 (Pending) <u>Australia</u> 2021202163 (Pending)

	<u>Canada</u> 3,114,089 (Pending)
Methods and Systems for Ensuring a User is Permitted to Use an Object to Conduct an Activity	<u>U.S.</u> 11,416,594 <u>Canada</u> 3,114,091 (Pending) <u>Australia</u> 2021202184 (Pending)
Enhanced Liveness Detection of Facial Image Data	<u>U.S.</u> Patent No. 11,250,281 <u>EPO</u> 21202020.0 (Pending) <u>Canada</u> 3,133,293 (Pending) <u>Australia</u> 2021245249 (Pending)
Methods and Systems for Displaying a Visual Aid and Enhancing User Liveness Detection (3DFL)	<u>U.S.</u> 17/173,421 (Pending)
Enhanced Authorization to Access Transportation Hub Services (Biometrically enabled VeriFLY)	<u>U.S.</u> 17/122,179 (Pending) <u>Australia</u> 2021277630 (Pending) <u>Canada</u> 3,138,452 (Pending) <u>EPO</u> 21208351.3 (Pending)

Enhanced Access Control (VeriFLY)	<u>U.S.</u> 17/307,010 (Pending) <u>Europe</u> 22170150.1 (Pending) <u>Canada</u> 3,154,169 (Pending) <u>Australia</u> 2022202737 (Pending)
Methods and Systems for training a machine learning algorithm model and authenticating a user with the model	<u>U.S.</u> 17/529,344 (Pending) <u>Europe</u> 22205416.5 (Pending) <u>Canada</u> Filed but application number not yet assigned (Pending) <u>Australia</u> 2022268272 (Pending)
Methods and Systems for determining authenticity of a document (Verifly related)	<u>U.S.</u> 17/572,721 (Pending)
Methods and Systems for training a machine learning algorithm model and authenticating a user with the model	<u>U.S.</u> 17/832,741 (Pending)
Methods and Systems for determining the authenticity of an identity document	<u>U.S.</u> 17/977,032 (Pending)