

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI286244

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Intrinsic ID B.V.	06/01/2024
RECEIVING PARTY DATA	
Company Name:	Synopsys, Inc.
Street Address:	675 Almanor Avenue
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94085
PROPERTY NUMBERS Total: 39	
Property Type	Number
Patent Number:	9350330
Application Number:	61471771
Patent Number:	9383969
Patent Number:	9396357
Patent Number:	9430406
Patent Number:	9935925
Patent Number:	10805093
Patent Number:	10554398
Patent Number:	11218306
Patent Number:	11429624
Application Number:	17867890
Application Number:	62351358
Patent Number:	10910079
Application Number:	62344221
Patent Number:	11183083
Patent Number:	11258597
Patent Number:	10620848
Application Number:	18694863
Patent Number:	8699714
Patent Number:	8886951

Property Type	Number
Patent Number:	8887309
Patent Number:	10803900
Patent Number:	8446250
Application Number:	12602857
Patent Number:	9247024
Application Number:	12674367
Patent Number:	7568113
Patent Number:	8065533
Application Number:	11815019
Patent Number:	9252960
Patent Number:	8694856
Application Number:	60471452
Patent Number:	7877604
Patent Number:	8819409
Application Number:	13574311
Application Number:	61296656
Patent Number:	8339875
Application Number:	12090364
Patent Number:	8848477

CORRESPONDENCE DATA

Fax Number: 6509385200

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: 650-988-8500

Email: ldean@fenwick.com

Correspondent Name: FENWICK & WEST LLP

Address Line 1: 801 California Street

Address Line 4: Mountain View, CALIFORNIA 94041

ATTORNEY DOCKET NUMBER:	22524-01000
NAME OF SUBMITTER:	Laura Dean
SIGNATURE:	Laura Dean
DATE SIGNED:	06/09/2024

Total Attachments: 62

source=22524-01000 Assignment (Intrinsic to Synopsys)#page1.tif

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, **Intrinsic ID B.V.**, a private company limited liability organized and existing under the laws of The Netherlands, with its registered office in **Eindhoven at High Tech Campus 83, 5656 AG Eindhoven, The Netherlands** ("ASSIGNOR"), has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Synopsys, Inc.**, a Delaware corporation, having a place of business at **675 Almanor Ave, Sunnyvale, CA 94085, U.S.A.** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application(s), including those filed under 35 U.S.C. § 111, design applications filed under 35 U.S.C. § 171, Registered Community Designs, international applications filed according to the Patent Cooperation Treaty (PCT), U.S. national phase applications filed under 35 U.S.C. § 371, national or regional applications filed in any other country throughout the world, and any patents issuing thereon ("PATENT RIGHTS"):

SEE ATTACHED SCHEDULE 1

and;

2. The entire worldwide right, title, and interest in and to:
(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

ASSIGNOR represents that ASSIGNOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the ASSIGNOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

ASSIGNOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Duly Authorized Representative of ASSIGNOR

Date of Signature



01 June 2024

Huib Groenendijk
Managing Director
Intrinsic ID B.V.

Duly Authorized Representative of ASSIGNEE



David Pursley
SVP, Corporate Counsel, Employment, IP & Litigation
Synopsys, Inc.

Date of Signature

31 May 2024

Master List Report

04 April 2024

Case Number: 006.001.10

Invention Title: Physical unclonable function

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	2643750	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.									
DE		EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	602011012993.7	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	07-Jan-2015	11785708.6	23-Nov-2011	2643750	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.									
US	P	PRI	Abandoned		10192352.2	24-Nov-2010			24-Nov-2030
Owner: INTRINSIC ID B.V.									
US		EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	2643750	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.									
FR		EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	2643750	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 2 of 60

Case Number: 006.001.10

GB	EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	2643750	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.								
IT	EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	502015000010964	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	07-Jan-2015	11785708.6	23-Nov-2011	2643750	07-Jan-2015	23-Nov-2031
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	24-May-2016	13/988,919	23-Nov-2011	9,350,330	24-May-2016	04-Nov-2032
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/EP2011/070831			23-Nov-2011		
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Case Number: 006.002.11

Invention Title: Random number generating system based on memory start-up noise

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	2695052	26-Nov-2014	05-Apr-2032	
Owner: INTRINSIC ID B.V.									
DE	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	602012004010.6	26-Nov-2014	05-Apr-2032	
Owner: INTRINSIC ID B.V.									
JP	PCT	Granted	26-Nov-2014	12718111.3	05-Apr-2012	2695052	26-Nov-2014	05-Apr-2032	
Owner: INTRINSIC ID B.V.									
US	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	2695052	26-Nov-2014	05-Apr-2032	
Owner: INTRINSIC ID B.V.									
UK	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	2695052	26-Nov-2014	05-Apr-2032	
Owner: INTRINSIC ID B.V.									
GB	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	2695052	26-Nov-2014	05-Apr-2032	
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 4 of 60

IT	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	50201500000686	26-Nov-2014	05-Apr-2032
1								
Owner: INTRINSIC ID B.V.								
JP	PCT	Granted	28-Jul-2017	2014-503151	05-Apr-2012	6182132	28-Jul-2017	05-Apr-2032
Owner: INTRINSIC ID B.V.								
KR	PCT	Granted	18-Apr-2019	10-2013-7029323	05-Apr-2012	10-1972126	18-Apr-2019	05-Apr-2032
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	26-Nov-2014	12718111.3	05-Apr-2012	2695052	26-Nov-2014	05-Apr-2032
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	05-Jul-2016	14/110,009	05-Apr-2012	9,383,969	05-Jul-2016	18-Feb-2033
Owner: INTRINSIC ID B.V.								
US	P	PRO	Expired	61/471,771	05-Apr-2011			05-Apr-2012
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE		PCT/EP2012/056	05-Apr-2012			
277								
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Page 5 of 60

Case Number: 006.003

Invention Title: Soft decision error correction for memory based puf using a single enrollment

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
CN		PCT	Granted	06-Mar-2018	2012800690612	23-Nov-2012	ZL2012800690612	06-Mar-2018	23-Nov-2032
Owner: INTRINSIC ID B.V.									
EP	e	EPP	Granted	30-Sep-2020	12788577.0	23-Nov-2012	602012072582.6	30-Sep-2020	23-Nov-2032
Owner: INTRINSIC ID B.V.									
JP	p	PRI	Abandoned		11192050.0	06-Dec-2011			06-Dec-2031
Owner: INTRINSIC ID B.V.									
JP	w	PCT	Granted	30-Sep-2020	12788577.0	23-Nov-2012	2789116	30-Sep-2020	23-Nov-2032
Owner: INTRINSIC ID B.V.									
JP	e	EPP	Granted	30-Sep-2020	12788577.0	23-Nov-2012	2789116	30-Sep-2020	23-Nov-2032
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 6 of 60

Case Number: 006.003

GB	e	EPP	Granted	30-Sep-2020	12788577.0	23-Nov-2012	2789116	30-Sep-2020	23-Nov-2032
Owner: INTRINSIC ID B.V.									
KR		PCT	Granted	24-Sep-2019	10-2014-7018626	23-Nov-2012	10-2026757	24-Sep-2019	23-Nov-2032
Owner: INTRINSIC ID B.V.									
US		PCT	Granted	19-Jul-2016	14/360,519	23-Nov-2012	9,396,357	19-Jul-2016	21-Jan-2033
Owner: INTRINSIC ID B.V.									
WO		ORD	NPE		PCT/EP2012/073	23-Nov-2012			
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 7 of 60

Case Number: 006.004

Invention Title: System for generating a cryptographic key from a memory used as a physically unclonable function

Client: Intrinsic ID B.V.

Client Reference: zie titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
CN		PCT	Granted	05-Jan-2018	2013800523116	10-Sep-2013	2013800523116	05-Jan-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.									
EP		EPP	Granted	28-Nov-2018	13759256.4	10-Sep-2013	60 2013 047 473.7	28-Nov-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	28-Nov-2018	13759256.4	10-Sep-2013	2904732	28-Nov-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.									
JP	p	PRI	Abandoned		12187213.9	04-Oct-2012			11-Feb-2013
Owner: INTRINSIC ID B.V.									
JP	p2	PRI	Abandoned		12194713.9	29-Nov-2012			29-Nov-2032
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 8 of 60

Case Number: 006.004

FR	EPP	Granted	28-Nov-2018	13759256.4	10-Sep-2013	2904732	28-Nov-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.								
GB	EPP	Granted	28-Nov-2018	13759256.4	10-Sep-2013	2904732	28-Nov-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.								
JP	PCT	Granted	05-Jan-2018	2015-534947	10-Sep-2013	6267207	05-Jan-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.								
KR	PCT	Granted	05-Jan-2021	10-2015-7011155	10-Sep-2013	10-2201062	05-Jan-2021	10-Sep-2033
Owner: INTRINSIC ID B.V.								
NO	EPP	Granted	28-Nov-2018	13759256.4	10-Sep-2013	2904732	28-Nov-2018	10-Sep-2033
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	30-Aug-2016	14/426,728	10-Sep-2013	9,430,406	30-Aug-2016	10-Sep-2033
Owner: INTRINSIC ID B.V.								
O	ORD	NPE	PCT/EP2013/068			10-Sep-2013		
746								
Owner: INTRINSIC ID B.V.								

PATENT

Master List Report

04 April 2024

Page 9 of 60

Case Number: 006.006

Invention Title: Method for establishing a cryptographically protected communication channel

Client: Intrinsic ID B.V.

Client Reference: secure channel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
EP	p	PRI	Abandoned		14187667.2	03-Oct-2014			03-Oct-2034
Owner: INTRINSIC ID B.V.									
p	p2	PRI	Abandoned		15175232.6	03-Jul-2015			03-Jul-2035
Owner: INTRINSIC ID B.V.									
S		ORD	Granted	07-Apr-2016	14/864,582	24-Sep-2015	9,935,925	03-Apr-2018	20-Jun-2036
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 10 of 60

Case Number: 006.007

Invention Title: Cryptographic device comprising a physical unclonable function

Client: Intrinsic ID B.V.

Client Reference: zie titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: MV, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE	e	EPP	Granted	23-Aug-2017	15778222.8	22-Sep-2015	3207539	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
N		PCT	Granted	13-Nov-2020	201580067684X	22-Sep-2015	201580067684X	13-Nov-2020	22-Sep-2035
Owner: INTRINSIC ID B.V.									
E	e	EPP	Granted	23-Aug-2017	15778222.8	22-Sep-2015	60 2015 067 005.1	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
p		PCT	Granted	23-Aug-2017	15778222.8	22-Sep-2015	3207539	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
p	p	PRI	Abandoned		14188612.7	13-Oct-2014			13-Oct-2034
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 11 of 60

Case Number: 006.007

FR	e	EPP	Granted	23-Aug-2017	15778222.8	22-Sep-2015	3207539	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
GB	e	EPP	Granted	23-Aug-2017	15778222.8	22-Sep-2015	3207539	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
IT	e	EPP	Granted	23-Aug-2017	15778222.8	22-Sep-2015	50202100003318 2	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	05-Nov-2020	2017-538288	22-Sep-2015	6789222	05-Nov-2020	22-Sep-2035
Owner: INTRINSIC ID B.V.									
SE	e	EPP	Granted	23-Aug-2017	15778222.8	22-Sep-2015	3207539	17-Mar-2021	22-Sep-2035
Owner: INTRINSIC ID B.V.									
US		PCT	Granted	13-Oct-2020	15/513,440	22-Sep-2015	10,805,093	13-Oct-2020	28-Aug-2036
Owner: INTRINSIC ID B.V.									
O		ORD	NPE		PCT/EP2015/071 708	22-Sep-2015			
Owner: INTRINSIC ID B.V.									

PATENT

REEL: 067679 FRAME: 0837

Master List Report

04 April 2024

Page 12 of 60

Case Number: 006.008

Invention Title: Cryptographic key production from a physical unclonable function

Client: Intrinsic ID B.V.

Client Reference: zie titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
CN		PCT	Granted	28-Jul-2020	2015800767868	03-Dec-2015	2015800767868	28-Jul-2020	03-Dec-2035
Owner: INTRINSIC ID B.V.									
EP		EPP	Granted	17-Jun-2020	15804132.7	03-Dec-2015	60 2015 054 461.7	17-Jun-2020	03-Dec-2035
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	17-Jun-2020	15804132.7	03-Dec-2015	3238199	17-Jun-2020	03-Dec-2035
Owner: INTRINSIC ID B.V.									
JP	p	PRI	Abandoned		14200283.1	24-Dec-2014			13-May-2015
Owner: INTRINSIC ID B.V.									
JP	p2	PRI	Abandoned		15179941.8	06-Aug-2015			06-Aug-2035
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 13 of 60

Case Number: 006.008

FR	EPP	Granted	17-Jun-2020	15804132.7	03-Dec-2015	3238199	17-Jun-2020	03-Dec-2035
Owner: INTRINSIC ID B.V.								
GB	EPP	Granted	17-Jun-2020	15804132.7	03-Dec-2015	3238199	17-Jun-2020	03-Dec-2035
Owner: INTRINSIC ID B.V.								
JP	PCT	Granted	13-Aug-2021	2017-534203	03-Dec-2015	6929776	13-Aug-2021	03-Dec-2035
Owner: INTRINSIC ID B.V.								
KR	PCT	Granted	20-Oct-2022	10-2017-7020609	03-Dec-2015	10-2458727	20-Oct-2022	03-Dec-2035
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	04-Feb-2020	15/539,900	03-Dec-2015	10,554,398	04-Feb-2020	10-Sep-2036
Owner: INTRINSIC ID B.V.								
WO	ORD	Published	30-Jun-2016	PCT/EP2015/078 454	03-Dec-2015			
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Page 14 of 60

Case Number: 006.009

Invention Title: Cryptographic device having physical unclonable function

Client: Intrinsic ID B.V.

Client Reference:

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
CN		PCT	Granted	25-Jun-2021	2016800463123	27-Jul-2016	2016800463123	25-Jun-2021	27-Jul-2036
Owner: INTRINSIC ID B.V.									
EP	e	EPP	Granted	07-Oct-2020	16744744.0	27-Jul-2016	60 2016 045 381.9	07-Oct-2020	27-Jul-2036
Owner: INTRINSIC ID B.V.									
JP	p	PRI	Abandoned		15179943.4	06-Aug-2015			06-Aug-2035
Owner: INTRINSIC ID B.V.									
JP	w	PCT	Granted	07-Oct-2020	16744744.0	27-Jul-2016	3332402	07-Oct-2020	27-Jul-2036
Owner: INTRINSIC ID B.V.									
JP	e	EPP	Granted	07-Oct-2020	16744744.0	27-Jul-2016	3332402	07-Oct-2020	27-Jul-2036
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 15 of 60

Case Number: 006.009

GB	e	EPP	Granted	07-Oct-2020	16744744.0	27-Jul-2016	3332402	07-Oct-2020	27-Jul-2036
Owner: INTRINSIC ID B.V.									
IT	e	EPP	Granted	07-Oct-2020	16744744.0	27-Jul-2016	502020000107780	07-Oct-2020	27-Jul-2036
Owner: INTRINSIC ID B.V.									
JP	w	PCT	Granted	20-Jan-2021	2018-506181	27-Jul-2016	6827032	20-Jan-2021	27-Jul-2036
Owner: INTRINSIC ID B.V.									
KR		PCT	Allowed	31-Jan-2024	10-2018-7006393	27-Jul-2016			27-Jul-2036
Owner: INTRINSIC ID B.V.									
SE	e	EPP	Granted	07-Oct-2020	16744744.0	27-Jul-2016	3332402	07-Oct-2020	27-Jul-2036
Owner: INTRINSIC ID B.V.									
US		PCT	Granted	04-Jan-2022	15/750,706	27-Jul-2016	11,218,306	04-Jan-2022	19-Dec-2036
Owner: INTRINSIC ID B.V.									
O		ORD	Published	09-Feb-2017	PCT/EP2016/067921	27-Jul-2016			
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 16 of 60

Case Number: 006.010

Invention Title: Puf identifier assignment and testing method and device

Client: Intrinsic ID B.V.

Client Reference: An assigning device

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE	e	EPP	Granted	26-Sep-2018	16794554.2	04-Nov-2016	3378054	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
N	w	PCT	Granted	13-Aug-2021	2016800795190	04-Nov-2016	2016800795190	13-Aug-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
E	e	EPP	Granted	26-Sep-2018	16794554.2	04-Nov-2016	60 2016 054 502.0	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
p	p	PRI	Abandoned	04-Apr-2024	15195585.3	20-Nov-2015			20-Nov-2035
Owner: INTRINSIC ID B.V.									
p	w	PCT	Granted	26-Sep-2018	16794554.2	04-Nov-2016	3378054	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 17 of 60

Case Number: 006.010

FR	e	EPP	Granted	26-Sep-2018	16794554.2	04-Nov-2016	3378054	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
GB	e	EPP	Granted	26-Sep-2018	16794554.2	04-Nov-2016	3378054	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
IT	e	EPP	Granted	26-Sep-2018	16794554.2	04-Nov-2016	50202100003257 9	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
SE	e	EPP	Granted	26-Sep-2018	16794554.2	04-Nov-2016	3378054	17-Mar-2021	04-Nov-2036
Owner: INTRINSIC ID B.V.									
US	w	PCT	Granted	30-Aug-2022	15/777,305	04-Nov-2016	11,429,624	30-Aug-2022	03-Jan-2039
Owner: INTRINSIC ID B.V.									
US	w2	CON	Published	17-Nov-2022	17/867,890	04-Nov-2016			04-Nov-2036
Owner: INTRINSIC ID B.V.									
O		ORD	Published	26-May-2017	PCT/EP2016/076 716	04-Nov-2016			
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 18 of 60

Case Number: 006.011

Invention Title: Programming device arranged to obtain and store a random bit string in a memory device

Client: Intrinsic ID B.V.

Client Reference: OTP PUF

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
EP	p	PRI	Abandoned		16168697.7	09-May-2016			09-May-2036
Owner: INTRINSIC ID B.V.									
S	p	PRO	Abandoned		62/351,358	17-Jun-2016			17-Jun-2017
Owner: INTRINSIC ID B.V.									
S	w	PCT	Granted	16-May-2019	16/099,522	28-Apr-2017	10,910,079	02-Feb-2021	28-Apr-2037
Owner: INTRINSIC ID B.V.									
O		ORD	Published	16-Nov-2017	PCT/EP2017/060 281	28-Apr-2017			
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Case Number: 006.012

Invention Title: Cryptographic device and memory based puf

Client: Intrinsic ID B.V.

Client Reference: Flash based PUF

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
DE	e	EPP	Granted	24-Mar-2021	17724063.7	18-May-2017	60 2017 035 193.8	24-Mar-2021	18-May-2037
Owner: INTRINSIC ID B.V.									
P		PCT	Granted	24-Mar-2021	17724063.7	18-May-2017	3465663	24-Mar-2021	18-May-2037
Owner: INTRINSIC ID B.V.									
R	e	EPP	Granted	24-Mar-2021	17724063.7	18-May-2017	3465663	24-Mar-2021	18-May-2037
Owner: INTRINSIC ID B.V.									
B	e	EPP	Granted	24-Mar-2021	17724063.7	18-May-2017	3465663	24-Mar-2021	18-May-2037
Owner: INTRINSIC ID B.V.									
S	p	PRO	Abandoned		62/344,221	01-Jun-2016			01-Jun-2017
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 20 of 60

Case Number: 006.012

US	w	PCT	Granted	23-Nov-2021	16/306,459	18-May-2017	11,183,083	23-Nov-2021	30-Mar-2038
Owner: INTRINSIC ID B.V.									
WO		ORD	Published	07-Dec-2017	PCT/EP2017/061 966	18-May-2017			
Owner: INTRINSIC ID B.V.									



Master List Report

Case Number: 006.013

invention Title: Improved key derivation from pufs

Client: Intrinsic ID B.V.

Client Reference: Entropy Baseline

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

[illegible]

Master List Report

04 April 2024

Page 22 of 60

Case Number: 006.015

Invention Title: Method to reduce aging of a cache memory

Client: Intrinsic ID B.V.

Client Reference:

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPC	Granted	07-Aug-2019	18175173.6	30-May-2018	3435586	07-Aug-2019	30-May-2038
Owner: INTRINSIC ID B.V.									
DE		EPC	Granted	07-Aug-2019	18175173.6	30-May-2018	602018000378.9	07-Aug-2019	30-May-2038
Owner: INTRINSIC ID B.V.									
JP		ORD	Granted	07-Aug-2019	18175173.6	30-May-2018	3435586	07-Aug-2019	30-May-2038
Owner: INTRINSIC ID B.V.									
US	P	PRI	Abandoned	04-Apr-2024	17183111.8	25-Jul-2017			25-Jul-2037
Owner: INTRINSIC ID B.V.									
US		EPC	Granted	07-Aug-2019	18175173.6	30-May-2018	3435586	07-Aug-2019	30-May-2038
Owner: INTRINSIC ID B.V.									
GB		EPC	Granted	07-Aug-2019	18175173.6	30-May-2018	3435586	07-Aug-2019	30-May-2038
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 23 of 60

Case Number: 006.015

US	ORD	Granted	14-Apr-2020	16/028,526	06-Jul-2018	10,620,848	14-Apr-2020	12-Jul-2038
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Case Number: 006.016

Invention Title: Random number generation using sparse noise source

Client: Intrinsic ID B.V.

Client Reference:

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
EP	p	PRI	Abandoned		21198613.8	23-Sep-2021			23-Sep-2041
Owner: INTRINSIC ID B.V.									
S	w	PCT	Pending	07-Sep-2022	18/694,863	07-Sep-2022			
Owner: INTRINSIC ID B.V.									
O		ORD	Published	30-Mar-2023	PCT/EP2022/074 831	07-Sep-2022			
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 25 of 60

Case Number: 006.017

Invention Title: Improved matching for puf strings

Client: Intrinsic ID B.V.

Client Reference:

Owner: INTRINSIC ID B.V.

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
EP	p	PRI	Abandoned		22164700.1	28-Mar-2022			28-Mar-2042
Owner: INTRINSIC ID B.V.									
O		ORD	Published	05-Oct-2023	PCT/EP2023/054 599	23-Feb-2023			
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Case Number: 006.018

Invention Title: Improved silicon layout reducing PUF biasing

Client: Intrinsic ID B.V.

Client Reference:

Owner:

Disclosure Status: Filed

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
EP	p	PRI	Abandoned	04-Apr-2024	23201462.1	03-Oct-2023			
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 27 of 60

Case Number: II08-001

Invention Title: Distributed puf

Client: Intrinsic ID B.V.

Client Reference: Distributed puf

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	14-Aug-2019	09755894.4	17-Nov-2009	2359520	14-Aug-2019	17-Nov-2029
Owner: INTRINSIC ID B.V.									
EE		EPP	Granted	14-Aug-2019	09755894.4	17-Nov-2009	60 2009 059 462.1	14-Aug-2019	17-Nov-2029
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	14-Aug-2019	09755894.4	17-Nov-2009	2359520	14-Aug-2019	17-Nov-2029
Owner: INTRINSIC ID B.V.									
JP	P	PRI	Abandoned		08169268.3	17-Nov-2008			17-Nov-2028
Owner: INTRINSIC ID B.V.									
JP		EPP	Granted	14-Aug-2019	09755894.4	17-Nov-2009	2359520	14-Aug-2019	17-Nov-2029
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 28 of 60

Case Number: II08-001

GB	EPP	Granted	14-Aug-2019	09755894.4	17-Nov-2009	2359520	14-Aug-2019	17-Nov-2029
Owner: INTRINSIC ID B.V.								
IT	EPP	Granted	14-Aug-2019	09755894.4	17-Nov-2009	502019000081707	14-Aug-2019	17-Nov-2029
Owner: INTRINSIC ID B.V.								
JP	PCT	Granted	01-Aug-2014	2011-543768	17-Nov-2009	5586628	01-Aug-2014	17-Nov-2029
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	15-Apr-2014	13/129,462	17-Nov-2009	8,699,714	15-Apr-2014	22-Mar-2030
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/EP2009/065303			17-Nov-2009		
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Page 29 of 60

Case Number: I108-002

Invention Title: Method, apparatus and system for verifying authenticity of an object

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	30-May-2018	06765992.0	04-Jul-2006	1905188	30-May-2018	04-Jul-2026
Owner: INTRINSIC ID B.V.									
NL		PCT	Abandoned		200680024452.7	04-Jul-2006			
Owner: INTRINSIC ID B.V.									
IE		EPP	Granted	30-May-2018	06765992.0	04-Jul-2006	602006055510.5	30-May-2018	04-Jul-2026
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	30-May-2018	06765992.0	04-Jul-2006	1905188	30-May-2018	04-Jul-2026
Owner: INTRINSIC ID B.V.									
CA	P	PRI	Abandoned		05106196.8	07-Jul-2005			
Owner: INTRINSIC ID B.V.									
FR		EPP	Granted	30-May-2018	06765992.0	04-Jul-2006	1905188	30-May-2018	04-Jul-2026
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 30 of 60

Case Number: II08-002

GB	EPP	Granted	30-May-2018	06765992.0	04-Jul-2006	1905188	30-May-2018	04-Jul-2026
Owner: INTRINSIC ID B.V.								
IN	PCT	Abandoned		104/CHENP/2008	04-Jul-2006			
Owner: INTRINSIC ID B.V.								
JP	PCT	Abandoned		2008-519125	04-Jul-2006			
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	30-May-2018	06765992.0	04-Jul-2006	1905188	30-May-2018	04-Jul-2026
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	11-Nov-2014	11/993,724	04-Jul-2006	8,886,951	11-Nov-2014	01-Oct-2031
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE		PCT/IB2006/0522	04-Jul-2006			
Owner: INTRINSIC ID B.V.								
37								

Master List Report

04 April 2024

Page 31 of 60

Case Number: II08-003

Invention Title: Information carrier authentication with a physical one-way function

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

BE	EPP	Granted	10-Jun-2009	06795666.4	16-Aug-2006	1922730	10-Jun-2009	16-Aug-2026
Owner: INTRINSIC ID B.V.								
CN	PCT	Abandoned		200680030439.2	16-Aug-2006			
Owner: INTRINSIC ID B.V.								
FI	EPP	Granted	10-Jun-2009	06795666.4	16-Aug-2006	602006007237.6	10-Jun-2009	16-Aug-2026
Owner: INTRINSIC ID B.V.								
JP	PCT	Granted	10-Jun-2009	06795666.4	16-Aug-2006	1922730	10-Jun-2009	15-Aug-2026
Owner: INTRINSIC ID B.V.								
JP	PRI	Abandoned		05107719.6	23-Aug-2005			
Owner: INTRINSIC ID B.V.								
JP	EPP	Granted	10-Jun-2009	06795666.4	16-Aug-2006	1922730	10-Jun-2009	16-Aug-2026
Owner: INTRINSIC ID B.V.								
B	EPP	Granted	10-Jun-2009	06795666.4	16-Aug-2006	1922730	10-Jun-2009	16-Aug-2026
Owner: INTRINSIC ID B.V.								

Master List Report

Case Number: II08-003

JP	PCT	Abandoned	2008-527555	16-Aug-2006					
Owner: INTRINSIC ID B.V.									
NL	EPP	Granted	10-Jun-2009	16-Aug-2006	1922730	10-Jun-2009	16-Aug-2026		
Owner: INTRINSIC ID B.V.									
US	PCT	Granted	11-Nov-2014	16-Aug-2006	8,887,309	11-Nov-2014	07-Jun-2029		
Owner: INTRINSIC ID B.V.									
US	w2 CON	Granted	05-Feb-2015	16-Aug-2006	10,803,900	13-Oct-2020	16-Aug-2026		
Owner: INTRINSIC ID B.V.									
WO	ORD	NPE	PCT/IB2006/052820	16-Aug-2006					
Owner: INTRINSIC ID B.V.									

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
FR		EPP	Granted	10-Jun-2009	06795666.4	16-Aug-2006	1922730	10-Jun-2009	16-Aug-2026
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Case Number: I108-005

Invention Title: Method and device for providing digital security

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	2174255	24-May-2017	10-Jun-2028	
Owner: INTRINSIC ID B.V.									
DE	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	602008050399.2	24-May-2017	10-Jun-2028	
Owner: INTRINSIC ID B.V.									
JP	PCT	Granted	24-May-2017	08763275.8	10-Jun-2008	2174255	24-May-2017	10-Jun-2028	
Owner: INTRINSIC ID B.V.									
US	PRI	Abandoned	07110236.2	14-Jun-2007					
Owner: INTRINSIC ID B.V.									
US	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	2174255	24-May-2017	10-Jun-2028	
Owner: INTRINSIC ID B.V.									
FR	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	2174255	24-May-2017	10-Jun-2028	
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 34 of 60

Case Number: II08-005

GB	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	2174255	24-May-2017	10-Jun-2028
Owner: INTRINSIC ID B.V.								
IT	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	50201700008659 2	24-May-2017	10-Jun-2028
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	24-May-2017	08763275.8	10-Jun-2008	2174255	24-May-2017	10-Jun-2028
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	21-May-2013	12/602,567	10-Jun-2008	8,446,250	21-May-2013	22-Apr-2030
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/IB2008/0522 82		10-Jun-2008			
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Case Number: I108-006

Invention Title: Device and method for providing authentication

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE	EPP	Abandoned			08763254.3	09-Jun-2008	2168072	22-Dec-2010	09-Jun-2028
Owner: INTRINSIC ID B.V.									
DE	EPP	Abandoned			08763254.3	09-Jun-2008	602008004155.7	22-Dec-2010	09-Jun-2028
Owner: INTRINSIC ID B.V.									
JP	PCT	Granted		22-Dec-2010	08763254.3	09-Jun-2008	2168072	22-Dec-2010	09-Jun-2028
Owner: INTRINSIC ID B.V.									
US	P	PRI	Abandoned		07110251.1	14-Jun-2007			
Owner: INTRINSIC ID B.V.									
US	EPP	Abandoned			08763254.3	09-Jun-2008	2168072	22-Dec-2010	09-Jun-2028
Owner: INTRINSIC ID B.V.									
GB	EPP	Abandoned			08763254.3	09-Jun-2008	2168072	22-Dec-2010	09-Jun-2028
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 36 of 60

Case Number: II08-006

NL	EPP	Abandoned	08763254.3	09-Jun-2008	2168072	22-Dec-2010	09-Jun-2028
Owner: INTRINSIC ID B.V.							
TW	ORD	Abandoned	097121935	12-Jun-2008			
Owner: INTRINSIC ID B.V.							
US	PCT	Abandoned	12/602,857	09-Jun-2008			09-Jun-2028
Owner: INTRINSIC ID B.V.							
WO	ORD	NPE	PCT/IB2008/0522 58	09-Jun-2008			
Owner: INTRINSIC ID B.V.							

Master List Report

04 April 2024

Page 37 of 60

Case Number: II08-007

Invention Title: Controlled activation of function

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448	09-Mar-2011	04-Apr-2028
Owner: INTRINSIC ID B.V.									
+		EPP	Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448	09-Mar-2011	04-Apr-2028
Owner: INTRINSIC ID B.V.									
+		PCT	Granted	06-Feb-2013	200880011860.8	04-Apr-2008	ZL200880011860.8	06-Feb-2013	04-Apr-2028
Owner: INTRINSIC ID B.V.									
+		EPP	Granted	09-Mar-2011	08737723.0	04-Apr-2008	602008005443.8	09-Mar-2011	04-Apr-2028
Owner: INTRINSIC ID B.V.									
+		PCT	Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448	09-Mar-2011	04-Apr-2028
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 38 of 60

Case Number: II08-007

EP	P	PRI	Abandoned	07106038.8	12-Apr-2007		
Owner: INTRINSIC ID B.V.							
ES	EPP		Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448 09-Mar-2011 04-Apr-2028
Owner: INTRINSIC ID B.V.							
FR	EPP		Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448 09-Mar-2011 04-Apr-2028
Owner: INTRINSIC ID B.V.							
GB	EPP		Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448 09-Mar-2011 04-Apr-2028
Owner: INTRINSIC ID B.V.							
KR	PCT		Granted	07-Aug-2014	10-2009-7023562	04-Apr-2008	10-1430023 07-Aug-2014 04-Apr-2028
Owner: INTRINSIC ID B.V.							
NL	EPP		Granted	09-Mar-2011	08737723.0	04-Apr-2008	2145448 09-Mar-2011 04-Apr-2028
Owner: INTRINSIC ID B.V.							
S	PCT		Granted	10-Jun-2010	12/595,671	04-Apr-2008	9,247,024 26-Jan-2016 13-Dec-2029
Owner: INTRINSIC ID B.V.							
O	ORD		NPE		PCT/IB2008/0512	04-Apr-2008	79
Owner: INTRINSIC ID B.V.							

PATENT

Master List Report

04 April 2024

Page 39 of 60

Case Number: I108-008

Invention Title: Identification of devices using physically unclonable functions

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE	EPP	Granted	08-Oct-2014	08807343.2	18-Aug-2008	2191410	08-Oct-2014	18-Aug-2028	
Owner: INTRINSIC ID B.V.									
DE	EPP	Granted	08-Oct-2014	08807343.2	18-Aug-2008	602008034812.1	08-Oct-2014	18-Aug-2028	
Owner: INTRINSIC ID B.V.									
JP	PCT	Granted	08-Oct-2014	08807343.2	18-Aug-2008	2191410	08-Oct-2014	18-Aug-2028	
Owner: INTRINSIC ID B.V.									
US	PRI	Abandoned	07114732.6	22-Aug-2007					
Owner: INTRINSIC ID B.V.									
US	EPP	Granted	08-Oct-2014	08807343.2	18-Aug-2008	2191410	08-Oct-2014	18-Aug-2028	
Owner: INTRINSIC ID B.V.									
GB	EPP	Granted	08-Oct-2014	08807343.2	18-Aug-2008	2191410	08-Oct-2014	18-Aug-2028	
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 40 of 60

IT	EPP	Granted	08-Oct-2014	08807343.2	18-Aug-2008	50201400000400	08-Oct-2014	18-Aug-2028
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	08-Oct-2014	08807343.2	18-Aug-2008	2191410	08-Oct-2014	18-Aug-2028
Owner: INTRINSIC ID B.V.								
TW	ORD	Abandoned		097131620	19-Aug-2008			19-Aug-2011
Owner: INTRINSIC ID B.V.								
US	PCT	Abandoned		12/674,367	18-Aug-2008			18-Aug-2028
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE		PCT/IB2008/0532	18-Aug-2008			
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Page 41 of 60

Case Number: I108-009

Invention Title: Reliable storage medium access control method and device

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	1590804	09-Jul-2014	24-Dec-2023
Owner: INTRINSIC ID B.V.									
N		PCT	Expired	17-Jan-2024	200380109171.8	24-Dec-2003	ZL200380109171.8	16-Jul-2008	24-Dec-2023
Owner: INTRINSIC ID B.V.									
E		EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	60346457.2	09-Jul-2014	24-Dec-2023
Owner: INTRINSIC ID B.V.									
P		PCT	Expired	17-Jan-2024	03780530.6	24-Dec-2003	1590804	09-Jul-2014	24-Dec-2023
Owner: INTRINSIC ID B.V.									
P	P	PRI	Abandoned		03100145.6	24-Jan-2003			
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 42 of 60

Case Number: II08-009

ES	EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	1590804	09-Jul-2014	24-Dec-2023	Owner: INTRINSIC ID B.V.
FR	EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	1590804	09-Jul-2014	24-Dec-2023	
GB	EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	1590804	09-Jul-2014	24-Dec-2023	
IT	EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	502014000000778	09-Jul-2014	24-Dec-2023	
JP	PCT	Granted	07-Aug-2009	2004-567069	24-Dec-2003	4355293	07-Aug-2009	24-Dec-2023	Owner: INTRINSIC ID B.V.
KR	PCT	Granted	30-May-2011	10-2005-7013445	24-Dec-2003	10-1039057	30-May-2011	24-Dec-2023	
-	EPP	Expired	17-Jan-2024	03780530.6	24-Dec-2003	1590804	09-Jul-2014	24-Dec-2023	
S	PCT	Granted	28-Jul-2009	10/542,904	24-Dec-2003	7,568,113	28-Jul-2009	04-Jun-2025	
S	CON	Granted	22-Nov-2011	12/488,459	19-Jun-2009	8,065,533	22-Nov-2011	16-May-2024	Owner: INTRINSIC ID B.V.
O	ORD	NPE	PCT/IB2003/0063 24-Dec-2003 22						

Master List Report

04 April 2024

Page 43 of 60

Case Number: II08-010

Invention Title: Method, apparatus, device, system, program, for calibrating

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Abandoned		06710736.7	24-Jan-2006	1846866	07-Jan-2015	24-Jan-2026
Owner: INTRINSIC ID B.V.									
NL		PCT	Abandoned		200680003822.9	24-Jan-2006			24-Jan-2026
Owner: INTRINSIC ID B.V.									
IE		EPP	Abandoned		06710736.7	24-Jan-2006	602006044245.9	07-Jan-2015	24-Jan-2026
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	07-Jan-2015	06710736.7	24-Jan-2006	1846866	07-Jan-2015	24-Jan-2026
Owner: INTRINSIC ID B.V.									
US	P	PRI	Abandoned		05100726.8	02-Feb-2005			
Owner: INTRINSIC ID B.V.									
FR		EPP	Abandoned		06710736.7	24-Jan-2006	1846866	07-Jan-2015	24-Jan-2026
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 44 of 60

Case Number: II08-010

GB	EPP	Abandoned	06710736.7	24-Jan-2006	1846866	07-Jan-2015	24-Jan-2026
Owner: INTRINSIC ID B.V.							
IN	PCT	Abandoned	3400/CHENP/200 7	24-Jan-2006			
Owner: INTRINSIC ID B.V.							
JP	PCT	Abandoned	2007-553754	24-Jan-2006			
Owner: INTRINSIC ID B.V.							
KR	PCT	Abandoned	10-2007-7017639	24-Jan-2006			
Owner: INTRINSIC ID B.V.							
NL	EPP	Abandoned	06710736.7	24-Jan-2006	1846866	07-Jan-2015	24-Jan-2026
Owner: INTRINSIC ID B.V.							
TW	ORD	Abandoned	095103607	27-Jan-2006			27-Jan-2026
Owner: INTRINSIC ID B.V.							
S	PCT	Abandoned	11/815,019	24-Jan-2006			24-Jan-2026
Owner: INTRINSIC ID B.V.							
O	ORD	NPE	PCT/IB2006/0502 58	24-Jan-2006			
Owner: INTRINSIC ID B.V.							

PATENT

Master List Report

04 April 2024

Page 45 of 60

Case Number: II09-001

Invention Title: System for establishing a cryptographic key depending on a physical system

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	11-Jan-2012	10703078.5	10-Feb-2010	2404403	04-Dec-2019	10-Feb-2030
Owner: INTRINSIC ID B.V.									
DE		EPP	Granted	11-Jan-2012	10703078.5	10-Feb-2010	60 2010 062 231.2	04-Dec-2019	10-Feb-2030
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	11-Jan-2012	10703078.5	10-Feb-2010	2404403	04-Dec-2019	10-Feb-2030
Owner: INTRINSIC ID B.V.									
JP	P	PRI	Abandoned		09154562.4	06-Mar-2009			06-Mar-2029
Owner: INTRINSIC ID B.V.									
JP		EPP	Granted	11-Jan-2012	10703078.5	10-Feb-2010	2404403	04-Dec-2019	10-Feb-2030
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 46 of 60

Case Number: II09-001

GB	EPP	Granted	11-Jan-2012	10703078.5	10-Feb-2010	2404403	04-Dec-2019	10-Feb-2030
Owner: INTRINSIC ID B.V.								
JP	PCT	Granted	23-May-2014	2011-552379	10-Feb-2010	5548218	23-May-2014	10-Feb-2030
Owner: INTRINSIC ID B.V.								
KR	PCT	Granted	16-Nov-2016	10-2011-7023529	10-Feb-2010	10-1678568	16-Nov-2016	10-Feb-2030
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	11-Jan-2012	10703078.5	10-Feb-2010	2404403	04-Dec-2019	10-Feb-2030
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	02-Feb-2016	13/254,356	10-Feb-2010	9,252,960	02-Feb-2016	06-Jan-2031
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/EP2010/051			10-Feb-2010		
Owner: INTRINSIC ID B.V.								
631								

Master List Report

04 April 2024

Page 47 of 60

Case Number: II09-004

Invention Title: Physically unclonable function with tamper prevention and anti-aging system

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	21-Feb-2018	10741941.8	06-Aug-2010	2465069	21-Feb-2018	06-Aug-2030
Owner: INTRINSIC ID B.V.									
N		PCT	Granted	15-Jul-2015	2010800466209	06-Aug-2010	2010800466209	15-Jul-2015	06-Aug-2030
Owner: INTRINSIC ID B.V.									
E		EPP	Granted	21-Feb-2018	10741941.8	06-Aug-2010	60 2010 048 624.9	21-Feb-2018	06-Aug-2030
Owner: INTRINSIC ID B.V.									
P		PCT	Granted	21-Feb-2018	10741941.8	06-Aug-2010	2465069	21-Feb-2018	06-Aug-2030
Owner: INTRINSIC ID B.V.									
P	P	PRI	Abandoned		09167906.8	14-Aug-2009			14-Aug-2029
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 48 of 60

Case Number: II09-004

FR	EPP	Granted	21-Feb-2018	10741941.8	06-Aug-2010	2465069	21-Feb-2018	06-Aug-2030
Owner: INTRINSIC ID B.V.								
GB	EPP	Granted	21-Feb-2018	10741941.8	06-Aug-2010	2465069	21-Feb-2018	06-Aug-2030
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	21-Feb-2018	10741941.8	06-Aug-2010	2465069	21-Feb-2018	06-Aug-2030
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	08-Apr-2014	13/390,255	06-Aug-2010	8,694,856	08-Apr-2014	15-Mar-2031
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/EP2010/061			460	06-Aug-2010	
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Case Number: II09-006

Invention Title: Proof of execution using random function

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application									
Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
CN		PCT	Abandoned		200480013348.9	06-May-2004			06-May-2024
Owner: INTRINSIC ID B.V.									
EP		EPP	Granted	03-Dec-2008	04744002.9	06-May-2004	602004018137.4	03-Dec-2008	06-May-2024
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	03-Dec-2008	04744002.9	06-May-2004	1636664	03-Dec-2008	06-May-2024
Owner: INTRINSIC ID B.V.									
US		EPP	Abandoned		04744002.9	06-May-2004	1636664	03-Dec-2008	06-May-2024
Owner: INTRINSIC ID B.V.									
UK		EPP	Granted	03-Dec-2008	04744002.9	06-May-2004	1636664	03-Dec-2008	06-May-2024
Owner: INTRINSIC ID B.V.									
US		EPP	Granted	03-Dec-2008	04744002.9	06-May-2004	1636664	03-Dec-2008	06-May-2024
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 50 of 60

IT	EPP	Granted	03-Dec-2008	04744002.9	06-May-2004	50200990170572	03-Dec-2008	06-May-2024
Owner: INTRINSIC ID B.V.								
JP	PCT	Abandoned		06-530718	06-May-2004			06-May-2024
Owner: INTRINSIC ID B.V.								
KR	PCT	Abandoned		10-2005-7021852				06-May-2024
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	25-Jan-2011	10/556,520	06-May-2004	7,877,604	25-Jan-2011	
Owner: INTRINSIC ID B.V.								
US	P	Abandoned		60/471452	16-May-2003			16-May-2004
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE		PCT/IB2004/0023	06-May-2004			
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Case Number: II09-007

Invention Title: Distribution system and method for distributing digital information

Client: Intrinsic ID B.V.

Client Reference: Distribution system

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
DE		EPP	Granted	24-Aug-2016	10765810.6	20-Oct-2010	602010035818.6	24-Aug-2016	20-Oct-2030
Owner: INTRINSIC ID B.V.									
Owner: INTRINSIC ID B.V.									
P	P	PRI	Abandoned		09173691.8	21-Oct-2009			21-Oct-2029
Owner: INTRINSIC ID B.V.									
R		EPP	Granted	24-Aug-2016	10765810.6	20-Oct-2010	2491510	24-Aug-2016	20-Oct-2030
Owner: INTRINSIC ID B.V.									
B		EPP	Granted	24-Aug-2016	10765810.6	20-Oct-2010	2491510	24-Aug-2016	20-Oct-2030
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 52 of 60

Case Number: II09-007

IT	EPP	Granted	24-Aug-2016	10765810.6	20-Oct-2010	50201600010929 2	24-Aug-2016	20-Oct-2030
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	24-Aug-2016	10765810.6	20-Oct-2010	2491510	24-Aug-2016	20-Oct-2030
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	26-Aug-2014	13/501,875	20-Oct-2010	8,819,409	26-Aug-2014	13-Apr-2031
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/EP2010/065 767			20-Oct-2010		
Owner: INTRINSIC ID B.V.								

Master List Report

04 April 2024

Page 53 of 60

Case Number: II09-008

Invention Title: Device and method for obtaining a cryptographic key

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
DE	EPP	Granted	17-Jun-2015	11703624.4	19-Jan-2011	602011017171.2	17-Jun-2015	19-Jan-2031	
Owner: INTRINSIC ID B.V.									
JP	PCT	Granted	17-Jun-2015	11703624.4	19-Jan-2011	2526505	17-Jun-2015	19-Jan-2031	
Owner: INTRINSIC ID B.V.									
FR	EPP	Granted	17-Jun-2015	11703624.4	19-Jan-2011	2526505	17-Jun-2015	19-Jan-2031	
Owner: INTRINSIC ID B.V.									
GB	EPP	Granted	17-Jun-2015	11703624.4	19-Jan-2011	2526505	17-Jun-2015	19-Jan-2031	
Owner: INTRINSIC ID B.V.									
IT	PCT	Granted	10-Apr-2017	10-2012-7021771	19-Jan-2011	10-1727130	10-Apr-2017	19-Jan-2031	
Owner: INTRINSIC ID B.V.									
NL	EPP	Granted	17-Jun-2015	11703624.4	19-Jan-2011	2526505	17-Jun-2015	19-Jan-2031	
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 54 of 60

Case Number: II09-008

US	Owner: INTRINSIC ID B.V.		PCT	Abandoned	13/574,311	19-Jan-2011	19-Jan-2031
US	P	PRO	Expired		61/296,656	20-Jan-2010	20-Jan-2011
	Owner: INTRINSIC ID B.V.						
WO		ORD	NPE		PCT/EP2011/050 656	19-Jan-2011	
	Owner: INTRINSIC ID B.V.						

Master List Report

04 April 2024

Case Number: II09-009

Invention Title: Method of reducing the occurrence of burn-in due to negative bias temperature instability

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: Intrinsic ID B.V. + NXP B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
CN		PCT	Granted	20-Mar-2013	200980109768.X	16-Apr-2009	200980109768.X	20-Mar-2013	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.									
EP		EPP	Granted	11-May-2016	09732238.2	16-Apr-2009	602009038603.4	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.									
JP		PCT	Granted	11-May-2016	09732238.2	16-Apr-2009	2269133	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.									
US	P	PRI	Abandoned		08154744.0	17-Apr-2008			17-Apr-2028
Owner: Intrinsic ID B.V. + NXP B.V.									
US		EPP	Granted	11-May-2016	09732238.2	16-Apr-2009	2269133	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.									
FR		EPP	Granted	11-May-2016	09732238.2	16-Apr-2009	2269133	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.									

Master List Report

04 April 2024

Page 56 of 60

Case Number: II09-009

GB	EPP	Granted	11-May-2016	09732238.2	16-Apr-2009	2269133	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
IL	PCT	Granted	30-Sep-2017	207712	16-Apr-2009	207712	30-Sep-2017	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
IT	EPP	Granted	11-May-2016	09732238.2	16-Apr-2009	502016000083817	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
JP	PCT	Granted	01-Aug-2014	2011-504599	16-Apr-2009	5586582	01-Aug-2014	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
KR	PCT	Granted	21-Dec-2016	10-2010-7022994	16-Apr-2009	10-1690196	21-Dec-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
NL	EPP	Granted	11-May-2016	09732238.2	16-Apr-2009	2269133	11-May-2016	16-Apr-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
S	PCT	Granted	25-Dec-2012	12/921,901	16-Apr-2009	8,339,875	25-Dec-2012	15-Jul-2029
Owner: Intrinsic ID B.V. + NXP B.V.								
O	ORD	NPE	PCT/IB2009/0515			16-Apr-2009		
PATENT 92								
Owner: Intrinsic ID B.V. + NXP B.V.								

PATENT

Master List Report

04 April 2024

Case Number: II10-002

Invention Title: Integrated PUF

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
DE	e	EPP	Granted	04-Nov-2020	06809570.2	11-Oct-2006	602006059784.3	04-Nov-2020	11-Oct-2026
Owner: INTRINSIC ID B.V.									
Owner: INTRINSIC ID B.V.									
DE	e	PCT	Granted	04-Nov-2020	06809570.2	11-Oct-2006	1941653	04-Nov-2020	11-Oct-2026
Owner: INTRINSIC ID B.V.									
DE	e	EPP	Granted	04-Nov-2020	06809570.2	11-Oct-2006	1941653	04-Nov-2020	11-Oct-2026
Owner: INTRINSIC ID B.V.									
DE		PCT	Abandoned		12/090,364	11-Oct-2006			
Owner: INTRINSIC ID B.V.									

PATENT

Master List Report

04 April 2024

Page 58 of 60

Case Number: II10-004

Invention Title: Physical unclonable function with improved start-up behavior

Client: Intrinsic ID B.V.

Client Reference: titel

Owner: INTRINSIC ID B.V.

Disclosure Status: Granted

Disclosure Date:

Family Number:

Attorneys: SR, SR, DB

Country Application

Country	Sub Case	Case Type	Status	Status Date	Application Number	Filing Date	Patent Number	Issue Date	Expiration Date
BE		EPP	Granted	01-Aug-2018	11761615.1	28-Sep-2011	2625640	01-Aug-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.									
DE		EPP	Granted	01-Aug-2018	11761615.1	28-Sep-2011	602011050586.6	01-Aug-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.									
JP		PCT	Granted	01-Aug-2018	11761615.1	28-Sep-2011	2625640	01-Aug-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.									
JP	p	PRI	Abandoned		10186435.3	04-Oct-2010			04-Oct-2030
Owner: INTRINSIC ID B.V.									
JP		EPP	Granted	01-Aug-2018	11761615.1	28-Sep-2011	2625640	01-Aug-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.									
GB		EPP	Granted	01-Aug-2018	11761615.1	28-Sep-2011	2625640	01-Aug-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.									

Master List Report

04 April 2024

Page 59 of 60

Case Number: II10-004

JP	PCT	Granted	12-Feb-2016	2013-532128	28-Sep-2011	5881715	12-Feb-2016	28-Sep-2031
Owner: INTRINSIC ID B.V.								
KR	PCT	Granted	19-Apr-2018	10-2013-7011721	28-Sep-2011	10-1852115	19-Apr-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.								
NL	EPP	Granted	01-Aug-2018	11761615.1	28-Sep-2011	2625640	01-Aug-2018	28-Sep-2031
Owner: INTRINSIC ID B.V.								
US	PCT	Granted	30-Sep-2014	13/877,656	28-Sep-2011	8,848,477	30-Sep-2014	28-Sep-2031
Owner: INTRINSIC ID B.V.								
WO	ORD	NPE	PCT/EP2011/066			28-Sep-2011		
Owner: INTRINSIC ID B.V.								



04 April 2024

Page 60 of 60

Master List Report

Sort Order: by Case Number
Record Count: 33

Print Abstract: No
Print Remarks: No
Print Country Application: Yes
Show All Countries: No
Print Designated Countries: No
Print Related Cases: No
Print Assignments: No
Print Inventors: No
Print Priorities: No
Print Documents: No
Show Image: No
Print Keyword: No
Print Licenses: No
Show Entire Family: No

Disclosure Date: From: To:

Status Code: All Status

Application Statuses: <> |Archive|Closed|Unfiled|

Case Types:

Disclosure Statuses:

Countries:

Country Name:

Class:

Case Number:

Inventor:

006

Inventor Name:

Inventor:

Inventor Name:

Owner:

Owner Name:

Attorneys:

Attorney Name:

Inventors:

Keyword:

PATENT