

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7289758

|                                                                                                                                                                                                 |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                            |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>      |
| AMS SENSORS GERMANY GMBH                                                                                                                                                                        | 01/13/2020                 |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                            |
| <b>Name:</b>                                                                                                                                                                                    | SCIOSENSE B.V.             |
| <b>Street Address:</b>                                                                                                                                                                          | HIGH TECH CAMPUS 10        |
| <b>City:</b>                                                                                                                                                                                    | AE EINDHOVEN               |
| <b>State/Country:</b>                                                                                                                                                                           | NETHERLANDS                |
| <b>Postal Code:</b>                                                                                                                                                                             | 5656                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                            |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>              |
| Application Number:                                                                                                                                                                             | 17597687                   |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                            |
| <b>Fax Number:</b>                                                                                                                                                                              |                            |
| <i>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.</i> |                            |
| <b>Phone:</b>                                                                                                                                                                                   | 9727321001                 |
| <b>Email:</b>                                                                                                                                                                                   | docketing@slatermatsil.com |
| <b>Correspondent Name:</b>                                                                                                                                                                      | SLATER MATSIL, LLP.        |
| <b>Address Line 1:</b>                                                                                                                                                                          | 17950 PRESTON RD. STE 1000 |
| <b>Address Line 4:</b>                                                                                                                                                                          | DALLAS, TEXAS 75252        |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | SIO-044-EH                 |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | SARAH CHAPPELL             |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Sarah Chappell/           |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 04/20/2022                 |
| <b>Total Attachments: 29</b>                                                                                                                                                                    |                            |
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## Deed of Transfer

### THE UNDERSIGNED:

- (1) **ams AG**, a joint stock company incorporated under the laws of Austria and listed on the SIX Swiss Stock Exchange, with its corporate seat and headquarter in Premstätten, Austria, and its business address at Schloss Premstätten, Tobelbader Strasse 30, A-8141 Premstätten, Austria, registered under FN 34109 k with the Commercial Register of the Civil District Court of Graz (the "**Seller**");
- (2) **ams International AG**, a company incorporated under the laws of Switzerland, with its corporate seat in Rietstrasse 4, 8640 Rapperswil-Jona, Switzerland, registered under CHE-160.766.721 with the Commercial Register of St. Gallen;
- (3) **ams Sensors UK Limited**, a company incorporated under the laws of the United Kingdom, with its corporate seat in Deanland House, 160 Cowley Road, CB4 0DL Cambridge, Cambridgeshire, United Kingdom, registered under 06286985 with the Companies House;
- (4) **ams Sensors Germany GmbH**, a company incorporated under the laws of Germany, with its corporate seat in Göschwitzer Str. 32, 07745 Jena, Germany, registered under HRB 209557 with the Commercial Register B of the Civil District Court of Jena;

the companies under (2), (3) and (4) also referred to as "**Subsidiaries**" and each party individually as a "**Subsidiary**", as the case may be,

and

- (5) **Sciosense B.V.**, a private limited liability company incorporated under the laws of the Netherlands, with corporate seat in Eindhoven, and registered address at High Tech Campus 10, 5656 AE, Eindhoven, the Netherlands, registered under No. 63386283 with the Trade Register of the Dutch Chamber of Commerce, (the "**Company**");

together also referred to as "**Parties**" and each party individually as a "**Party**", as the case may be,

### WHEREAS:

- (A) The Seller and the Company have entered into an Intellectual Property Transfer and License Agreement dated January 13, 2020 (the "**IPTLA**").
- (B) Pursuant to the IPTLA and this patent transfer deed ("**Deed**"), the Seller, on behalf of itself and its Subsidiaries, has sold to the Company and the Company has purchased from the Seller (amongst others) certain Patents listed in the Schedule of the transferred Patents annexed to this Deed, (the "**Transferred Patents**") and the Parties have agreed that the Transferred Patents will be transferred to the Company;
- (C) By this Deed the Parties hereby wish to transfer all of the Seller's including its Subsidiaries' right, title and interest in and to the Transferred Patents to the Company on the terms and conditions as set out in this Deed. This includes the right to claim priority of the Transferred Patents.

**THE PARTIES AGREE AS FOLLOWS:**

**1 DEFINITIONS**

Any capitalized term used but not defined in this Deed will have the same meaning as ascribed to it in the IPTLA.

**2 TRANSFER OF OWNERSHIP OF TRANSFERRED PATENTS**

By this Deed, the Seller including its Subsidiaries assigns, transfers, conveys and delivers to the Company all of their right, title and interest in and to the Transferred Patents, which assignment, transfer, conveyance and delivery the Company hereby accepts.

**3 VARIATION TO DEED**

No variation, extension, cancellation or translation of any expressed terms of this Deed (including the Schedule of the transferred Patents) will be binding upon the Seller or the Company unless made in writing and signed by duly authorized representatives of the Seller and the Company.

**4 ADDITIONAL ASSIGNMENT DOCUMENTS; FURTHER ASSURANCE**

The Company will be responsible for effectuating the registration of the assignment and transfer of the Transferred Patents. The Seller, the Subsidiaries and the Company shall, at each other's request, execute and do all such deeds, documents, acts and things as the requesting Party may from time to time reasonably require in order to effectuate or formalize the transfer of the Transferred Patents to the Company and to cause the Transferred Patents to be recorded in the relevant registers around the world in the name of the Company.

**5 OBSERVANCE OF LEGAL REQUIREMENTS**

The Company and the Seller undertake to observe and act in accordance with all applicable legal conditions and terms required in order to effectuate the registration of the assignment and transfer of the Transferred Patents in the relevant registers.

**6 COSTS FOR REGISTRATION**

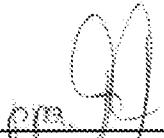
The costs for the registration of the assignment and transfer of the Transferred Patents in the relevant registers will be borne by the Company.

**7 APPLICABLE LAW AND JURISDICTION**

This Deed will be governed by and construed in accordance with the laws of the Netherlands. Any action or proceeding in respect of any claim arising out of or related to this Deed will be conducted by the Seller and the Company in accordance with the dispute settlement procedure provided in the IPTLA.

IN EVIDENCE WHEREOF, the Parties have caused this Deed to be signed by their duly authorized representatives effective as of January 13, 2020.

  
\_\_\_\_\_  
ams AG  
By: Thomas Stockmeier  
Title: COO

  
\_\_\_\_\_  
ams AG  
By: Frank Fazekas  
Title: VP & Group General Counsel

\_\_\_\_\_  
ams International AG  
By:  
Title:

\_\_\_\_\_  
ams International AG  
By:  
Title:

  
\_\_\_\_\_  
ams Sensors UK Limited  
By: Thomas Stockmeier  
Title: Director

  
\_\_\_\_\_  
ams Sensors UK Limited  
By: Harold Wodschew-Markowitsch  
Title: Director

\_\_\_\_\_  
ams Sensors Germany GmbH  
By:  
Title:

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ams Sensors Germany GmbH  
By:  
Title:

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Sciosense B.V.  
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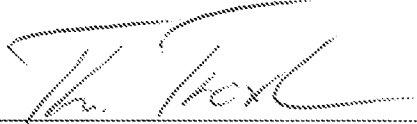
Attachment: Schedule of the transferred Patents

IN EVIDENCE WHEREOF, the Parties have caused this Deed to be signed by their duly authorized representatives effective as of January 13, 2020.

\_\_\_\_\_  
ams AG

By:

Title:



\_\_\_\_\_  
ams International AG

By: Thomas Troxler

Title: Director

\_\_\_\_\_  
ams AG

By:

Title:



\_\_\_\_\_  
ams International AG

By: Pascal Bruegger

Title: Finance

\_\_\_\_\_  
ams Sensors UK Limited

By:

Title:

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ams Sensors UK Limited

By:

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ams Sensors Germany GmbH

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ams Sensors Germany GmbH

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Sciosense B.V.

By:

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Sciosense B.V.

By:

Title:

Attachment: Schedule of the transferred Patents

**IN EVIDENCE WHEREOF**, the Parties have caused this Deed to be signed by their duly authorized representatives effective as of January 13, 2020.

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**ams AG**

By:  
Title:

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**ams AG**

By:  
Title:

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**ams International AG**

By:  
Title:

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**ams International AG**

By:  
Title:

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**ams Sensors UK Limited**

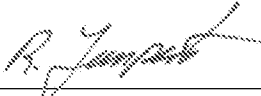
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**ams Sensors UK Limited**

By:  
Title:

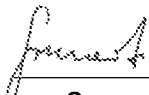
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**ams Sensors Germany GmbH**

By: Dr. Reiner Jumpertz  
Title: General Manager  
ams Sensors Germany GmbH

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**ams Sensors Germany GmbH**

By: Dr. Fred Grunert  
Title: General Manager  
ams Sensors Germany GmbH

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**Sciosense B.V.**

By:  
Title:

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**Sciosense B.V.**

By:  
Title:

**Attachment: Schedule of the transferred Patents**

IN EVIDENCE WHEREOF, the Parties have caused this Deed to be signed by their duly authorized representatives effective as of January 13, 2020.

\_\_\_\_\_  
**ams AG**

By:

Title:

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**ams AG**

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**ams International AG**

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**ams International AG**

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**ams Sensors UK Limited**

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**ams Sensors UK Limited**

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**ams Sensors Germany GmbH**

By:

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**ams Sensors Germany GmbH**

By:

Title:

\_\_\_\_\_  
**Sciosense B.V.**

By: V. Pronk

Title: COO

\_\_\_\_\_  
**Sciosense B.V.**

By: E. Hendriks

Title: CFO

**Attachment: Schedule of the transferred Patents**

# Schedule of the transferred Patents

| No | Country | ams Ref  | Attorney Ref    | FilDate   | AppNumber         | PatNumber      | IssDate   | AppTitle                                                                      | Status     | Registered Owner       |
|----|---------|----------|-----------------|-----------|-------------------|----------------|-----------|-------------------------------------------------------------------------------|------------|------------------------|
| 1  | CN      | 21-01_CN | P2001,0755_CN N | 08-Oct-02 | 02821718.7        | ZL02821718.7   | 01-Jul-09 | MICRO-SENSOR                                                                  | Abandoned  | austriamicrosystems AG |
| 2  | DE      | 21-01_DE | P2001,0755_DE E | 29-Oct-01 | 10153319.5        | 10153319       | 17-Feb-11 | Mikrosensor                                                                   | Granted    | austriamicrosystems AG |
| 3  | EP      | 21-01_EP | P2001,0755_EP N | 08-Oct-02 | 02774691.6        | 1440322        | 26-Jul-06 | Mikrosensor                                                                   | National   | austriamicrosystems AG |
| 4  | FR      | 21-01_FR | P2001,0755_FR N | 08-Oct-02 | 02774691.6        | 1440322        | 26-Jul-06 |                                                                               | Abandoned  | austriamicrosystems AG |
| 5  | GB      | 21-01_GB | P2001,0755_GB N | 08-Oct-02 | 02774691.6        | 1440322        | 26-Jul-06 |                                                                               | Abandoned  | austriamicrosystems AG |
| 6  | HK      | 21-01_HK | P2001,0755_HK N | 08-Oct-02 | 05106139.4        | 05106139.4     | 24-Dec-09 | MICRO-SENSOR                                                                  | Abandoned  | austriamicrosystems AG |
| 7  | IE      | 21-01_IE | P2001,0755_IE N | 08-Oct-02 | 02774691.6        | 1440322        | 26-Jul-06 | Mikrosensor                                                                   | Abandoned  | austriamicrosystems AG |
| 8  | IT      | 21-01_IT | P2001,0755_IT N | 08-Oct-02 | 02774691.6        | 1440322        | 26-Jul-06 |                                                                               | Abandoned  | austriamicrosystems AG |
| 9  | TW      | 21-01_TW | P2001,0755_TW N | 23-Oct-02 | 91124492          |                |           |                                                                               | Abandoned  | austriamicrosystems AG |
| 10 | US      | 21-01_US | P2001,0755_US N | 08-Oct-02 | 10494,027         | 7,427,808      | 23-Sep-08 | MICRO SENSOR                                                                  | Granted    | austriamicrosystems AG |
| 11 | WO      | 21-01_WO | P2001,0755_WO N | 08-Oct-02 | PCT/EP02/11256    |                |           |                                                                               | National   | austriamicrosystems AG |
| 12 | DE      | 14-05_DE | P2005,0729_DE E | 23-Sep-05 | 102005045635.9    | 102005045635   | 14-Jun-07 | Anordnung und Verfahren zur Bereitstellung eines temperaturabhängigen Signals | Granted    | austriamicrosystems AG |
| 13 | US      | 14-05_US | P2005,0729_US N | 08-Sep-06 | 11/992,556        | 8,044,702      | 25-Oct-11 | Arrangement and Method for Providing a Temperature-Dependent Signal           | Granted    | austriamicrosystems AG |
| 14 | WO      | 14-05_WO | P2005,0729_WO N | 08-Sep-06 | PCT/EP2006/008791 |                |           | Anordnung und Verfahren zur Bereitstellung eines temperaturabhängigen Signals | National   | austriamicrosystems AG |
| 15 | DE      | 02-09_DE | P2009,0466_DE E | 29-Mai-09 | 102009023354.7    | 102009023354   | 02-Dec-10 | Schaltungsanordnung und Verfahren zur Temperaturmessung                       | Granted    | austriamicrosystems AG |
| 16 | US      | 02-09_US | P2009,0466_US N | 29-Nov-11 | 13/306,898        | 8,542,057      | 24-Sep-13 | Circuit arrangement and method for temperature measurement                    | Granted    | ams AG                 |
| 17 | WO      | 02-09_WO | P2009,0466_WO N | 05-Mai-10 | PCT/EP2010/056119 |                |           | Schaltungsanordnung und Verfahren zur Temperaturmessung                       | National   | austriamicrosystems AG |
| 18 | DE      | 17-12_DE | P2012,0634_DE N | 24-Jul-12 | 12177638.9        | 602012048544.2 | 18-Jul-18 | Messanordnung und Verfahren                                                   | Granted    | ams AG                 |
| 19 | EP      | 17-12_EP | P2012,0634_EP N | 24-Jul-12 | 12177638.9        | 2642256        | 18-Jul-18 | Measurement arrangement and method                                            | National   | ams AG                 |
| 20 | FR      | 17-12_FR | P2012,0634_FR N | 24-Jul-12 | 12177638.9        | 2642256        | 18-Jul-18 | Measurement arrangement and method                                            | Granted    | ams AG                 |
| 21 | GB      | 17-12_GB | P2012,0634_GB N | 24-Jul-12 | 12177638.9        | 2642256        | 18-Jul-18 | Measurement arrangement and method                                            | Granted    | ams AG                 |
| 22 | US      | 17-12    | P2012,0634_US E | 23-Mrz-12 | 61/614,869        |                |           | Measurement arrangement and method                                            | NoRep-pass | ams AG                 |

| No | Country | ams Ref     | Attorney Ref     | File Date | App Number     | Pat Number       | Iss Date  | App Title                                                                                      | Status    | Registered Owner         |
|----|---------|-------------|------------------|-----------|----------------|------------------|-----------|------------------------------------------------------------------------------------------------|-----------|--------------------------|
| 23 | US      | 17-12_US    | P2012,0634 US N  | 15-Mar-13 | 13,843,614     | 8,955,391        | 17-Feb-15 | Ultrasonic flow measurement arrangement and method having a clock generating device and driver | Granted   | ams AG                   |
| 24 | DE      | S06-15_DE01 | P2015,0068 DE E  | 11-Feb-14 | 102014101657.2 |                  |           | Verfahren und Sensorsystem zur Messung der Konzentration von Gasen                             | Abandoned | ams Sensors Germany GmbH |
| 25 | DE      | S06-15_DE02 | P2015,0068 DE N  | 11-Feb-15 | 15707890.8     | 502015005215.5   | 25-Jul-18 | Verfahren und Sensorsystem zur Messung der Konzentration von Gasen                             | Granted   | ams Sensors Germany GmbH |
| 26 | EP      | S06-15_EP   | P2015,0068 EP N  | 11-Feb-15 | 15707890.8     | 3105571          | 25-Jul-18 | Verfahren und Sensorsystem zur Messung der Konzentration von Gasen                             | National  | ams Sensors Germany GmbH |
| 27 | US      | S06-15_US01 | P2015,0068 US N  | 11-Aug-16 | 15/235,054     | 10,338,021       | 02-Jul-19 | Method and sensor system for measuring gas concentrations                                      | Granted   | ams Sensors Germany GmbH |
| 28 | US      | S06-15_US02 | P2015,0068 US N1 | 11-Aug-16 | 16/414,392     |                  |           | Method and sensor system for measuring gas concentrations                                      | Pending   | ams Sensors Germany GmbH |
| 29 | JP      | N44-15_JP   | P2015,0499 JP N  | 24-Oct-06 | 2008-540727    | 5005702          | 01-Jun-12 | Moisture Sensor                                                                                | Granted   | ams International AG     |
| 30 | US      | N44-15_US   | P2015,0499 US N  | 24-Oct-06 | 12/093,667     | 8,079,248        | 20-Dec-11 | Moisture Sensor                                                                                | Granted   | ams International AG     |
| 31 | CH      | N48-15_CH01 | P2015,0504 CH E  | 21-Jul-09 | 09290580.1     | 2278309          | 15-Mai-19 | A Sensor                                                                                       | Granted   | ams International AG     |
| 32 | CN      | N48-15_CN   | P2015,0504 CN N  | 16-Jul-10 | 201080032741.8 | ZL201080032741   | 07-Jan-15 | A Sensor                                                                                       | Granted   | ams International AG     |
| 33 | DE      | N48-15_DE   | P2015,0504 DE E  | 21-Jul-09 | 09290580.1     | 602009058343.3   | 15-Mai-19 | A Sensor                                                                                       | Granted   | ams International AG     |
| 34 | EP      | N48-15_EP   | P2015,0504 EP E  | 21-Jul-09 | 09290580.1     | 2278309          | 15-Mai-19 | A Sensor                                                                                       | National  | ams International AG     |
| 35 | FR      | N48-15_FR01 | P2015,0504 FR E  | 21-Jul-09 | 09290580.1     | 2278309          | 15-Mai-19 | A Sensor                                                                                       | Granted   | ams International AG     |
| 36 | GB      | N48-15_GB   | P2015,0504 GB E  | 21-Jul-09 | 09290580.1     | 2278309          | 15-Mai-19 | A Sensor                                                                                       | Granted   | ams International AG     |
| 37 | US      | N48-15_US   | P2015,0504 US N  | 16-Jul-10 | 13,382,726     | 8,925,371        | 06-Jan-15 | A Sensor                                                                                       | Granted   | ams International AG     |
| 38 | CN      | N49-15_CN   | P2015,0505 CN N  | 08-Oct-10 | 201010512735.4 | ZL201010512735.4 | 22-Mai-13 | MEMS pressure sensor                                                                           | Granted   | ams International AG     |
| 39 | DE      | N49-15_DE   | P2015,0505 DE E  | 07-Oct-09 | 09172478.1     | 602009042737.7   | 30-Nov-16 | MEMS pressure sensor                                                                           | Granted   | ams International AG     |
| 40 | EP      | N49-15_EP   | P2015,0505 EP E  | 07-Oct-09 | 09172478.1     | 2309241          | 30-Nov-16 | MEMS pressure sensor                                                                           | National  | ams International AG     |
| 41 | US      | N49-15_US   | P2015,0505 US N  | 07-Oct-10 | 12,900,398     | 8,256,298        | 04-Sep-12 | MEMS pressure sensor                                                                           | Granted   | ams International AG     |
| 42 | US      | N51-15_US   | P2015,0507 US E  | 05-Jan-11 | 12,985,052     | 9,016,133        | 28-Apr-15 | PRESSURE SENSOR WITH PRESSURE-ACTUATED SWITCH                                                  | Granted   | ams International AG     |
| 43 | CN      | N53-15_CN   | P2015,0509 CN N  | 17-Feb-12 | 201210037533.8 | ZL201210037533.8 | 24-Jun-15 | Integrated circuit with sensor and method of manufacturing such an integrated circuit          | Granted   | ams International AG     |
| 44 | EP      | N53-15_EP   | P2015,0509 EP E  | 22-Feb-11 | 11155468.9     |                  |           | Integrated circuit with sensor and method of manufacturing such an integrated circuit          | Exam Pub  | ams International AG     |

| No | Country | ams Ref     | Attorney Ref     | File Date | App Number     | Pat Number       | Iss Date  | App Title                                                                             | Status   | Registered Owner     |
|----|---------|-------------|------------------|-----------|----------------|------------------|-----------|---------------------------------------------------------------------------------------|----------|----------------------|
| 45 | US      | N53-15_US01 | P2015,0509 US N  | 16-Feb-12 | 13/398,158     | 9,284,187        | 15-Mrz-16 | Integrated circuit with sensor and method of manufacturing such an integrated circuit | Granted  | ams International AG |
| 46 | US      | N53-15_US02 | P2015,0509 US N1 | 14-Mrz-16 | 15/069,898     | 9,941,222        | 10-Apr-18 | Integrated circuit with sensor and method of manufacturing such an integrated circuit | Granted  | ams International AG |
| 47 | CH      | N35-15_CH   | P2015,0512 CH N  | 10-Sep-12 | 12183675.3     | 2573806          | 01-Feb-17 | Integrated circuit with sensor and manufacturing method thereof                       | Granted  | ams International AG |
| 48 | CN      | N35-15_CN   | P2015,0512 CN N  | 19-Sep-12 | 201210350921.1 | ZL201210350921.1 | 16-Nov-16 | Integrated circuit with sensor and manufacturing method thereof                       | Granted  | ams International AG |
| 49 | DE      | N35-15_DE   | P2015,0512 DE N  | 10-Sep-12 | 12183675.3     | 602012028186.3   | 01-Feb-17 | Integrierte Schaltung mit Sensor und Verfahren zu deren Herstellung                   | Granted  | ams International AG |
| 50 | EP      | N35-15_EP02 | P2015,0512 EP N  | 10-Sep-12 | 12183675.3     | 2573806          | 01-Feb-17 | Integrated circuit with sensor and manufacturing method thereof                       | National | ams International AG |
| 51 | US      | N35-15_US   | P2015,0512 US N  | 11-Sep-12 | 13/610,692     | 9,070,695        | 30-Jun-15 | Integrated circuit with sensor and method of manufacturing such an integrated circuit | Granted  | ams International AG |
| 52 | DE      | N36-15_DE   | P2015,0513 DE E  | 25-Sep-12 | 12185960.7     | 602012056602.7   | 13-Feb-19 | MEMS-Resonator drucksensor                                                            | Granted  | ams International AG |
| 53 | EP      | N36-15_EP02 | P2015,0513 EP E  | 25-Sep-12 | 12185960.7     | 2711677          | 13-Feb-19 | Mems resonator pressure sensor                                                        | National | ams International AG |
| 54 | EP      | N36-15_EP   | P2015,0513 EP E1 | 25-Sep-12 | 18207751.1     |                  |           | Mems resonator pressure sensor                                                        | Allowed  | ams International AG |
| 55 | FR      | N36-15_FR   | P2015,0513 FR E  | 25-Sep-12 | 12185960.7     | 2711677          | 13-Feb-19 | Mems resonator pressure sensor                                                        | Granted  | ams International AG |
| 56 | GB      | N36-15_GB   | P2015,0513 GB E  | 25-Sep-12 | 12185960.7     | 2711677          | 13-Feb-19 | Mems resonator pressure sensor                                                        | Granted  | ams International AG |
| 57 | US      | N36-15_US   | P2015,0513 US N  | 23-Sep-13 | 14/034,346     | 9,383,285        | 05-Jul-16 | Mems resonator pressure sensor                                                        | Granted  | ams International AG |
| 58 | CH      | N57-15_CH   | P2015,0515 CH E  | 12-Jun-12 | 12171649.2     | 2674392          | 27-Dec-17 | Integrated circuit with pressure sensor and manufacturing method                      | Granted  | ams International AG |
| 59 | DE      | N57-15_DE   | P2015,0515 DE E  | 12-Jun-12 | 12171649.2     | 602012041288.7   | 27-Dec-17 | Integrierte Schaltung mit Drucksensor und Herstellungsverfahren                       | Granted  | ams International AG |
| 60 | EP      | N57-15_EP   | P2015,0515 EP E  | 12-Jun-12 | 12171649.2     | 2674392          | 27-Dec-17 | Integrated circuit with pressure sensor and manufacturing method                      | National | ams International AG |
| 61 | FR      | N57-15_FR   | P2015,0515 FR E  | 12-Jun-12 | 12171649.2     | 2674392          | 27-Dec-17 | Integrated circuit with pressure sensor and manufacturing method                      | Granted  | ams International AG |

| No | Country | ams Ref     | Attorney Ref     | FilDate   | AppNumber       | PatNumber         | IssDate   | App Title                                                                  | Status   | Registered Owner     |
|----|---------|-------------|------------------|-----------|-----------------|-------------------|-----------|----------------------------------------------------------------------------|----------|----------------------|
| 62 | GB      | N57-15_GB   | P2015,0515 GB E  | 12-Jun-12 | 12171649,2      | 2674392           | 27-Dec-17 | Integrated circuit with pressure sensor and manufacturing method           | Granted  | ams International AG |
| 63 | NL      | N57-15_NL   | P2015,0515 NL E  | 12-Jun-12 | 12171649,2      | 2674392           | 27-Dec-17 | Integrated circuit with pressure sensor and manufacturing method           | Granted  | ams International AG |
| 64 | US      | N57-15_US01 | P2015,0515 US N  | 11-Jun-13 | 13/915,523      | 9,269,832         | 23-Feb-16 | Integrated circuit with pressure sensor having a pair of electrodes        | Granted  | ams International AG |
| 65 | US      | N57-15_US02 | P2015,0515 US N1 | 11-Jun-13 | 15/050,418      | 9,481,570         | 01-Nov-16 | Method of manufacturing an integrated circuit comprising a pressure sensor | Granted  | ams International AG |
| 66 | US      | N57-15_US03 | P2015,0515 US N2 | 07-Sep-16 | 15/258,988      | 10,060,817        | 28-Aug-18 | Integrated circuit with a pressure sensor                                  | Granted  | ams International AG |
| 67 | US      | N58-15_US   | P2015,0516 US N  | 20-Mai-13 | 13/898,354      | 9,604,134         | 28-Mrz-17 | Device Control System And Method Of Determining Altitude                   | Granted  | ams International AG |
| 68 | US      | N59-15_US   | P2015,0517 US N  | 05-Sep-13 | 14/018,484      | 9,105,479         | 11-Aug-15 | Integrated circuit including an environmental sensor                       | Granted  | ams International AG |
| 69 | DE      | N60-15_DE   | P2015,0518 DE E  | 20-Mai-13 | 13168442,5      | 602013043449,2    | 12-Sep-18 | Differenzdrucksensor                                                       | Granted  | ams International AG |
| 70 | EP      | N60-15_EP   | P2015,0518 EP E  | 20-Mai-13 | 13168442,5      | 2806258           | 12-Sep-18 | Differential pressure sensor                                               | Granted  | ams International AG |
| 71 | FR      | N60-15_FR   | P2015,0518 FR E  | 20-Mai-13 | 13168442,5      | 2806258           | 12-Sep-18 | Capteur de pression différentielle                                         | Granted  | ams International AG |
| 72 | GB      | N60-15_GB   | P2015,0518 GB E  | 20-Mai-13 | 13168442,5      | 2806258           | 12-Sep-18 | Differential pressure sensor                                               | Granted  | ams International AG |
| 73 | US      | N60-15_US   | P2015,0518 US N  | 30-Apr-14 | 14/266,281      | 9,726,561         | 08-Aug-17 | Differential pressure sensor with a capacitive read out system             | Granted  | ams International AG |
| 74 | CH      | N61-15_CH   | P2015,0519 CH N  | 26-Apr-12 | 12165684,7      | 2520918           | 19-Apr-17 | MEMS Capacitive Pressure Sensor, Operating Method and Manufacturing Method | Granted  | ams International AG |
| 75 | CN      | N61-15_CN   | P2015,0519 CN N  | 03-Mai-12 | 201210135456, X | ZL201210135456, X | 17-Aug-16 | MEMS Capacitive Pressure Sensor, Operating Method and Manufacturing Method | Granted  | ams International AG |
| 76 | DE      | N61-15_DE   | P2015,0519 DE N  | 26-Apr-12 | 12165684,7      | 602012031239, 4   | 19-Apr-17 | Kapazitiver MEMS-Drucksensor, Betriebsverfahren und Herstellungsverfahren  | Granted  | ams International AG |
| 77 | EP      | N61-15_EP   | P2015,0519 EP N  | 26-Apr-12 | 12165684,7      | 2520918           | 19-Apr-17 | MEMS Capacitive Pressure Sensor, Operating Method and Manufacturing Method | National | ams International AG |

| No | Country | ams Ref     | Attorney Ref    | FileDate  | AppNumber      | PatNumber        | IssDate   | App Title                                                                                          | Status    | Registered Owner     |
|----|---------|-------------|-----------------|-----------|----------------|------------------|-----------|----------------------------------------------------------------------------------------------------|-----------|----------------------|
| 78 | FR      | N61-15_FR   | P2015,0519 FR N | 26-Apr-12 | 12165684.7     | 2520918          | 19-Apr-17 | MEMS Capacitive Pressure Sensor, Operating Method and Manufacturing Method                         | Granted   | ams International AG |
| 79 | US      | N61-15_US   | P2015,0519 US N | 02-Mai-12 | 13/462,582     | 9,383,282        | 05-Jul-16 | MEMS Capacitive Pressure Sensor, Operating Method and Manufacturing Method                         | Granted   | ams International AG |
| 80 | CN      | N62-15_CN   | P2015,0520 CN N | 06-Mrz-13 | 201310070529.6 | ZL201310070529.6 | 15-Sep-17 | MEMS capacitive pressure sensor                                                                    | Granted   | ams International AG |
| 81 | DE      | N62-15_DE01 | P2015,0520 DE E | 08-Mrz-12 | 12158617.6     | 2637007          | 22-Jan-20 | MEMS capacitive pressure sensor                                                                    | ToBeFiled | ams International AG |
| 82 | EP      | N62-15_EP   | P2015,0520 EP E | 08-Mrz-12 | 12158617.6     | 2637007          | 22-Jan-20 | MEMS capacitive pressure sensor                                                                    | Granted   | ams International AG |
| 83 | FR      | N62-15_FR01 | P2015,0520 FR E | 08-Mrz-12 | 12158617.6     | 2637007          | 22-Jan-20 | MEMS capacitive pressure sensor                                                                    | ToBeFiled | ams International AG |
| 84 | GB      | N62-15_GB01 | P2015,0520 GB E | 08-Mrz-12 | 12158617.6     | 2637007          | 22-Jan-20 | MEMS capacitive pressure sensor                                                                    | ToBeFiled | ams International AG |
| 85 | US      | N62-15_US   | P2015,0520 US N | 06-Mrz-13 | 13/786,818     | 9,772,245        | 26-Sep-17 | MEMS capacitive pressure sensor                                                                    | Granted   | ams International AG |
| 86 | CN      | N64-15_CN   | P2015,0522 CN N | 08-Aug-12 | 201210280768.X | ZL201210280768.X | 20-Jan-16 | Multilayered nonon membrane in a mems sensor                                                       | Granted   | ams International AG |
| 87 | DE      | N64-15_DE   | P2015,0522 DE N | 05-Jul-12 | 12175091.3     | 602012058754.7   | 10-Apr-19 | Vorrichtung mit einem MEMS Drucksensor und einer CMOS Schaltung und Verfahren zu ihrer Herstellung | Granted   | ams International AG |
| 88 | EP      | N64-15_EP   | P2015,0522 EP N | 05-Jul-12 | 12175091.3     | 2557406          | 10-Apr-19 | Device with MEMS pressure sensor and CMOS circuit and method of producing a device                 | National  | ams International AG |
| 89 | FR      | N64-15_FR   | P2015,0522 FR N | 05-Jul-12 | 12175091.3     | 2557406          | 10-Apr-19 | Multilayered nonon membrane in a mems sensor                                                       | Granted   | ams International AG |
| 90 | GB      | N64-15_GB   | P2015,0522 GB N | 05-Jul-12 | 12175091.3     | 2557406          | 10-Apr-19 | Multilayered nonon membrane in a mems sensor                                                       | Granted   | ams International AG |
| 91 | US      | N64-15_US   | P2015,0522 US E | 11-Aug-11 | 13/207,626     | 8,794,075        | 05-Aug-14 | Multilayered nonon membrane in a mems sensor                                                       | Granted   | ams International AG |
| 92 | CN      | N67-15_CN   | P2015,0525 CN N | 26-Mrz-13 | 201310098655.2 | ZL201310098655.2 | 08-Jun-16 | Integrated circuit comprising a gas sensor                                                         | Granted   | ams International AG |
| 93 | DE      | N67-15_DE   | P2015,0525 DE E | 30-Mrz-12 | 12162383.9     | 602012052230.5   | 17-Okt-18 | Integrierte Schaltung mit Gassensor                                                                | Granted   | ams International AG |
| 94 | EP      | N67-15_EP   | P2015,0525 EP E | 30-Mrz-12 | 12162383.9     | 2645091          | 17-Okt-18 | Integrated circuit comprising a gas sensor                                                         | National  | ams International AG |

| No  | Country | ams Ref        | Attorney Ref    | FilDate   | AppNumber      | PatNumber        | IssDate   | App Title                                                                                                            | Status    | Registered Owner     |
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| 95  | FR      | N67-15_FR      | P2015,0525 FR E | 30-Mrz-12 | 12162383.9     | 2645091          | 17-Okt-18 | Integrated circuit comprising a gas sensor                                                                           | Granted   | ams International AG |
| 96  | GB      | N67-15_GB      | P2015,0525 GB E | 30-Mrz-12 | 12162383.9     | 2645091          | 17-Okt-18 | Integrated circuit comprising a gas sensor                                                                           | Granted   | ams International AG |
| 97  | JP      | N67-15_JP      | P2015,0525 JP N | 15-Feb-13 | 2013-028220    | 5736400          | 24-Apr-15 | Integrated circuit comprising a gas sensor                                                                           | Granted   | ams International AG |
| 98  | US      | N67-15_US02 N1 | P2015,0525 US   | 28-Mrz-13 | 15/042,011     | 9,865,647        | 09-Jan-18 | Integrated circuit comprising a gas sensor                                                                           | Granted   | ams International AG |
| 99  | US      | N67-15_US01    | P2015,0525 US N | 28-Mrz-13 | 13/852,978     | 9,263,500        | 16-Feb-16 | Integrated circuit comprising a gas sensor                                                                           | Granted   | ams International AG |
| 100 | DE      | N37-15_DE      | P2015,0526 DE E | 26-Sep-13 | 13186140.3     | 602013005224.7   | 02-Mrz-16 | Integrated circuit comprising a gas sensor                                                                           | Abandoned | ams International AG |
|     |         |                |                 |           |                |                  |           | Integrierte Schaltung mit CO2 Sensor, Zusammensetzung und Herstellungsverfahren einer solchen integrierten Schaltung |           |                      |
| 101 | EP      | N37-15_EP      | P2015,0526 EP E | 26-Sep-13 | 13186140.3     | 2853889          | 02-Mrz-16 | Integrated circuit with CO2 sensor, composition and manufacturing method of such an IC                               | National  | ams International AG |
| 102 | US      | N37-15_US      | P2015,0526 US N | 04-Sep-14 | 14/477,453     | 9,683,099        | 20-Jun-17 | Integrated circuit with CO2 sensor, composition and manufacturing method of such an IC                               | Granted   | ams International AG |
| 103 | EP      | N38-15_EP      | P2015,0527 EP E | 12-Sep-12 | 12184015.1     |                  |           | Integrated circuit comprising a gas sensor                                                                           | Allowed   | ams International AG |
| 104 | US      | N38-15_US      | P2015,0527 US N | 10-Sep-13 | 14/023,332     | 9,523,651        | 20-Dez-16 | Integrated circuit comprising a gas sensor                                                                           | Granted   | ams International AG |
| 105 | CN      | N68-15_CN      | P2015,0528 CN N | 12-Okt-13 | 201310475651.1 | ZL201310475651.1 | 12-Apr-17 | Integrated Circuit comprising a thermal conductivity based gas sensor                                                | Granted   | ams International AG |
| 106 | DE      | N68-15_DE      | P2015,0528 DE E | 12-Okt-12 | 12186372.2     | 602012017567.7   | 27-Apr-16 | Integrierte Schaltung mit relativem Feuchtigkeitssensor und Wärmeleitfähigkeitssensor                                | Granted   | ams International AG |
| 107 | EP      | N68-15_EP      | P2015,0528 EP E | 12-Okt-12 | 12186372.2     | 2720034          | 27-Apr-16 | Integrated Circuit comprising a relative humidity sensor and a thermal conductivity based gas sensor                 | National  | ams International AG |
| 108 | US      | N68-15_US      | P2015,0528 US N | 07-Okt-13 | 14/047,137     | 9,372,166        | 21-Jun-16 | Integrated Circuit comprising a relative humidity sensor and a thermal conductivity based gas sensor                 | Granted   | ams International AG |

| No  | Country | ams Ref   | Attorney Ref    | FilDate   | AppNumber         | PatNumber        | IssDate   | App Title                                                                                                       | Status   | Registered Owner     |
|-----|---------|-----------|-----------------|-----------|-------------------|------------------|-----------|-----------------------------------------------------------------------------------------------------------------|----------|----------------------|
| 109 | CN      | N69-15_CN | P2015,0529 CN N | 21-Jan-14 | 201410027770.5    | ZL201410027770.5 | 04-Jan-17 | Electrochemical sensor device                                                                                   | Granted  | ams International AG |
| 110 | EP      | N69-15_EP | P2015,0529 EP E | 23-Jan-13 | 13152411.8        |                  |           | Electrochemical sensor device                                                                                   | ExamPub  | ams International AG |
| 111 | US      | N69-15_US | P2015,0529 US N | 07-Feb-14 | 14/159,036        | 9,395,318        | 19-Jul-16 | Electrochemical sensor device                                                                                   | Granted  | ams International AG |
| 112 | CN      | N70-15_CN | P2015,0530 CN N | 08-Apr-15 | 201510163201.8    |                  |           | Gas Sensor                                                                                                      | Allowed  | ams International AG |
| 113 | EP      | N70-15_EP | P2015,0530 EP N | 27-Mar-15 | 15161506.9        |                  |           | Gas Sensor                                                                                                      | Allowed  | ams International AG |
| 114 | US      | N70-15_US | P2015,0530 US E | 08-Apr-14 | 14/248,102        | 9,453,807        | 27-Sep-16 | Thermal conductivity gas sensor with amplification material                                                     | Granted  | ams International AG |
| 115 | CN      | N71-15_CN | P2015,0531 CN N | 15-Feb-15 | 201510082174.1    | ZL201510082174.1 | 12-Dec-17 | Electrochemical Sensor                                                                                          | Granted  | ams International AG |
| 116 | EP      | N71-15_EP | P2015,0531 EP N | 15-Jan-15 | 15151261.3        |                  |           | Electrochemical Sensor                                                                                          | ExamPub  | ams International AG |
| 117 | US      | N71-15_US | P2015,0531 US E | 27-Feb-14 | 14/192,648        | 9,513,247        | 06-Dec-16 | Electrochemical Sensor                                                                                          | Granted  | ams International AG |
| 118 | CN      | N33-15_CN | P2015,0532 CN N | 24-Jul-15 | 201580041645.2    | ZL201580041645.2 | 20-Jul-18 | Suspended Membrane for Capacitive Pressure Sensor                                                               | Granted  | ams International AG |
| 119 | DE      | N33-15_DE | P2015,0532 DE N | 24-Jul-15 | 15739302.6        | 602015012000.0   | 06-Jun-18 | Aufgehängte Membran für kapazitiven Drucksensor                                                                 | Granted  | ams International AG |
| 120 | EP      | N33-15_EP | P2015,0532 EP N | 24-Jul-15 | 15739302.6        | 3174825          | 06-Jun-18 | Suspended Membrane for Capacitive Pressure Sensor                                                               | National | ams International AG |
| 121 | FR      | N33-15_FR | P2015,0532 FR N | 24-Jul-15 | 15739302.6        | 3174825          | 06-Jun-18 | Suspended Membrane for Capacitive Pressure Sensor                                                               | Granted  | ams International AG |
| 122 | GB      | N33-15_GB | P2015,0532 GB N | 24-Jul-15 | 15739302.6        | 3174825          | 06-Jun-18 | Suspended Membrane for Capacitive Pressure Sensor                                                               | Granted  | ams International AG |
| 123 | JP      | N33-15_JP | P2015,0532 JP N | 24-Jul-15 | 2017-505562       | 6298216          | 02-Mar-18 | Suspended Membrane for Capacitive Pressure Sensor                                                               | Granted  | ams International AG |
| 124 | KR      | N33-15_KR | P2015,0532 KR N | 24-Jul-15 | 10-2017-7005281   | 10-1921843       | 19-Nov-18 | Suspended Membrane for Capacitive Pressure Sensor                                                               | Granted  | ams International AG |
| 125 | US      | N33-15_US | P2015,0532 US E | 28-Jul-14 | 14/444,921        | 9,340,412        | 17-Mai-16 | Suspended Membrane for Capacitive Pressure Sensor                                                               | Granted  | ams International AG |
| 126 | WO      | N33-15_WO | P2015,0532 WO N | 24-Jul-15 | PCT/EP2015/067042 |                  |           | Suspended Membrane for Capacitive Pressure Sensor                                                               | National | ams International AG |
| 127 | EP      | N72-15_EP | P2015,0533 EP E | 15-Oct-13 | 13186644.2        | 2863214          | 18-Dec-19 | A thermal conductivity detector having a multi-layer sensing element, a gas sensor, and a method of gas sensing | Granted  | ams International AG |
| 128 | CN      | N32-15_CN | P2015,0535 CN N | 05-Aug-15 | 201580045232.1    | ZL201580045232.1 | 06-Aug-19 | Membrane Based Magnetometer                                                                                     | Granted  | ams International AG |

| No  | Country | ams Ref   | Attorney Ref    | FilDate   | AppNumber         | PatNumber        | IssDate   | App Title                                                                                 | Status    | Registered Owner     |
|-----|---------|-----------|-----------------|-----------|-------------------|------------------|-----------|-------------------------------------------------------------------------------------------|-----------|----------------------|
| 129 | DE      | N32-15_DE | P2015,0535 DE N | 05-Aug-15 | 15747806.6        | 602015017520.4   | 03-Oct-18 | Membranbasieretes Magnetometer                                                            | Granted   | ams International AG |
| 130 | EP      | N32-15_EP | P2015,0535 EP N | 05-Aug-15 | 15747806.6        | 3183590          | 03-Oct-18 | Membrane Based Magnetometer                                                               | National  | ams International AG |
| 131 | JP      | N32-15_JP | P2015,0535 JP N | 05-Aug-15 | 2017-506916       | 6437093          | 22-Nov-18 | Membrane Based Magnetometer                                                               | Granted   | ams International AG |
| 132 | KR      | N32-15_KR | P2015,0535 KR N | 05-Aug-15 | 10-2017-7004069   | 10-1903914       | 21-Sep-18 | Membrane Based Magnetometer                                                               | Granted   | ams International AG |
| 133 | US      | N32-15_US | P2015,0535 US E | 22-Aug-14 | 14/466,488        | 9,535,137        | 03-Jan-17 | Membrane Based Magnetometer                                                               | Granted   | ams International AG |
| 134 | WO      | N32-15_WO | P2015,0535 WO N | 05-Aug-15 | PCT/EP2015/068090 |                  |           | Membrane Based Magnetometer                                                               | National  | ams International AG |
| 135 | CN      | N74-15_CN | P2015,0536 CN N | 10-Jun-15 | 201510317079.5    | ZL201510317079.5 | 13-Oct-17 | Mems Device Calibration                                                                   | Granted   | ams International AG |
| 136 | EP      | N74-15_EP | P2015,0536 EP N | 03-Jun-15 | 15170610.8        |                  |           | Mems Device Calibration                                                                   | ExamPub   | ams International AG |
| 137 | US      | N74-15_US | P2015,0536 US E | 11-Jun-14 | 14/301,618        | 9,513,184        | 06-Dec-16 | Mems Device Calibration                                                                   | Granted   | ams International AG |
| 138 | WO      | N74-15_WO | P2015,0536 WO N | 10-Jun-15 | PCT/EP2015/062967 |                  |           | Mems Device Calibration                                                                   | Abandoned | ams International AG |
| 139 | EP      | N75-15_EP | P2015,0537 EP N | 03-Nov-15 | 15788074.1        |                  |           | Method and Apparatus for Calibrating Pressure Sensor Integrated Circuit Devices           | ExamPub   | ams International AG |
| 140 | US      | N75-15_US | P2015,0537 US E | 11-Nov-14 | 14/538,397        | 10,444,103       | 15-Oct-19 | Method and Apparatus for Calibrating Pressure Sensor Integrated Circuit Devices           | Granted   | ams International AG |
| 141 | WO      | N75-15_WO | P2015,0537 WO N | 03-Nov-15 | PCT/EP2015/075598 |                  |           | Method and Apparatus for Calibrating Pressure Sensor Integrated Circuit Devices           | National  | ams International AG |
| 142 | CN      | N31-15_CN | P2015,0538 CN N | 10-Jul-15 | 201510404305.3    | ZL201510404305.3 | 26-Feb-19 | Pressure Sensor with Getter Embedded in Membrane                                          | Granted   | ams International AG |
| 143 | EP      | N31-15_EP | P2015,0538 EP N | 23-Jul-15 | 15738946.1        |                  |           | CMOS Pressure Sensor with getter using TI-W wire embedded in membrane                     | Allowed   | ams International AG |
| 144 | US      | N31-15_US | P2015,0538 US E | 25-Jul-14 | 14/340,765        | 9,557,238        | 31-Jan-17 | PRESSURE SENSOR WITH GETTER EMBEDDED IN MEMBRANE                                          | Granted   | ams International AG |
| 145 | WO      | N31-15_WO | P2015,0538 WO N | 23-Jul-15 | PCT/EP2015/066896 |                  |           | CMOS Pressure Sensor with getter using TI-W wire embedded in membrane                     | National  | ams International AG |
| 146 | CN      | N29-15_CN | P2015,0541 CN N | 25-Aug-15 | 201580047286.1    | ZL201580047286.1 | 03-Dec-19 | Resonant membrane gas sensor and non-transitory machine-readable storage medium therefore | Granted   | ams International AG |

| No  | Country | ams Ref     | Attorney Ref    | FilDate   | AppNumber         | PatNumber      | IssDate   | App Title                                                                                                                                 | Status   | Registered Owner     |
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| 147 | DE      | N29-15_DE   | P2015,0541 DE N | 25-Aug-15 | 15757,467.4       | 602015017553.0 | 03-Oct-18 | RESONANTER<br>MEMBRANGASSENSOR<br>UND NICHTFLÜCHTIGES<br>MASCHINENLESBARES<br>SPEICHERMEDIUM<br>DAFÜR                                     | Granted  | ams International AG |
| 148 | EP      | N29-15_EP   | P2015,0541 EP N | 25-Aug-15 | 15757,467.4       | 3191830        | 03-Oct-18 | Resonant membrane gas<br>sensor and non-transitory<br>machine-readable storage<br>medium therefore                                        | National | ams International AG |
| 149 | FR      | N29-15_FR   | P2015,0541 FR N | 25-Aug-15 | 15757,467.4       | 3191830        | 03-Oct-18 | Resonant membrane gas<br>sensor and non-transitory<br>machine-readable storage<br>medium therefore                                        | Granted  | ams International AG |
| 150 | GB      | N29-15_GB   | P2015,0541 GB N | 25-Aug-15 | 15757,467.4       | 3191830        | 03-Oct-18 | Resonant membrane gas<br>sensor and non-transitory<br>machine-readable storage<br>medium therefore                                        | Granted  | ams International AG |
| 151 | JP      | N29-15_JP   | P2015,0541 JP N | 25-Aug-15 | 2017-511861       | 6434615        | 16-Nov-18 | Resonant membrane gas<br>sensor and non-transitory<br>machine-readable storage<br>medium therefore                                        | Granted  | ams International AG |
| 152 | KR      | N29-15_KR   | P2015,0541 KR N | 25-Aug-15 | 10-2017-7009742   | 10-1946182     | 30-Jan-19 | Resonant membrane gas<br>sensor and non-transitory<br>machine-readable storage<br>medium therefore                                        | Granted  | ams International AG |
| 153 | US      | N29-15_US   | P2015,0541 US E | 09-Sep-14 | 14,480,986        | 9,778,238      | 03-Oct-17 | RESONANT CO2<br>SENSING WITH<br>MITIGATION OF CROSS-<br>SENSITIVITIES                                                                     | Granted  | ams International AG |
| 154 | WO      | N29-15_WO   | P2015,0541 WO N | 25-Aug-15 | PCT/EP2015/069444 |                |           | Resonant membrane gas<br>sensor and non-transitory<br>machine-readable storage<br>medium therefore<br>Chip mit aufgesetzten<br>Strukturen | National | ams International AG |
| 155 | DE      | N78-15_DE   | P2015,0543 DE N | 12-Mai-16 | 16169401.3        | 602016007732.9 | 05-Dez-18 | CHIP HAVING<br>STRUCTURES THEREON                                                                                                         | Granted  | ams International AG |
| 156 | EP      | N78-15_EP   | P2015,0543 EP N | 12-Mai-16 | 16169401.3        | 3095757        | 05-Dez-18 | CHIP HAVING<br>STRUCTURES THEREON                                                                                                         | National | ams International AG |
| 157 | FR      | N78-15_FR   | P2015,0543 FR N | 12-Mai-16 | 16169401.3        | 3095757        | 05-Dez-18 | CHIP HAVING<br>STRUCTURES THEREON                                                                                                         | Granted  | ams International AG |
| 158 | GB      | N78-15_GB   | P2015,0543 GB N | 12-Mai-16 | 16169401.3        | 3095757        | 05-Dez-18 | CHIP HAVING<br>STRUCTURES THEREON                                                                                                         | Granted  | ams International AG |
| 159 | US      | N78-15_US   | P2015,0543 US E | 21-Mai-15 | 14,718,152        | 9,862,600      | 09-Jan-18 | CHIP STRUCTURE                                                                                                                            | Granted  | ams International AG |
| 160 | DE      | N79-15_DE01 | P2015,0544 DE E | 25-Apr-13 | 13165416.2        | 602013064271.0 | 25-Dez-19 | Kapazitiver MEMS-<br>Drucksensor                                                                                                          | Granted  | ams International AG |
| 161 | EP      | N79-15_EP   | P2015,0544 EP E | 25-Apr-13 | 13165416.2        | 2796844        | 25-Dez-19 | MEMS CAPACITIVE<br>PRESSURE SENSOR                                                                                                        | National | ams International AG |

| No  | Country | ams Ref     | Attorney Ref    | FilDate   | AppNumber         | PatNumber      | IssDate   | App Title                                                                             | Status   | Registered Owner     |
|-----|---------|-------------|-----------------|-----------|-------------------|----------------|-----------|---------------------------------------------------------------------------------------|----------|----------------------|
| 162 | FR      | N79-15_FR01 | P2015,0544 FR E | 25-Apr-13 | 13165416.2        | 2796844        | 25-Dec-19 | MEMS CAPACITIVE PRESSURE SENSOR                                                       | Granted  | ams International AG |
| 163 | GB      | N79-15_GB01 | P2015,0544 GB E | 25-Apr-13 | 13165416.2        | 2796844        | 25-Dec-19 | MEMS CAPACITIVE PRESSURE SENSOR                                                       | Granted  | ams International AG |
| 164 | CN      | 26-15_CN    | P2016,0206 CN N | 21-Feb-17 | 201780012980.9    |                |           | CMOS-compatible dew point sensor device and method of determining a dew point         | ExamPub  | ams AG               |
| 165 | DE      | 26-15_DE    | P2016,0206 DE E | 25-Feb-16 | 16157384.5        | 602016004873.6 | 22-Aug-18 | CMOS-kompatible Taupunktsensorvorrichtung und Verfahren zur Bestimmung des Taupunktes | Granted  | ams AG               |
| 166 | EP      | 26-15_EP    | P2016,0206 EP E | 25-Feb-16 | 16157384.5        | 3211404        | 22-Aug-18 | CMOS-compatible dew point sensor device and method of determining a dew point         | National | ams AG               |
| 167 | US      | 26-15_US    | P2016,0206 US N | 21-Feb-17 | 161079,080        |                |           | CMOS-compatible dew point sensor device and method of determining a dew point         | Pending  | ams AG               |
| 168 | WO      | 26-15_WO    | P2016,0206 WO N | 21-Feb-17 | PCT/EP2017/053923 |                |           | CMOS-compatible dew point sensor device and method of determining a dew point         | National | ams AG               |
| 169 | CN      | 13-16_CN    | P2016,0532 CN N | 05-Mai-17 | 201780028300.2    |                |           | Sensor assembly and arrangement and method for manufacturing a sensor assembly        | ExamPub  | ams AG               |
| 170 | DE      | 13-16_DE    | P2016,0532 DE E | 10-Mai-16 | 16169007.8        | 602016006898.2 | 07-Nov-18 | Sensorbaugruppe und Anordnung und Verfahren zur Herstellung einer Sensorbaugruppe     | Granted  | ams AG               |
| 171 | EP      | 13-16_EP    | P2016,0532 EP E | 10-Mai-16 | 16169007.8        | 3243793        | 07-Nov-18 | Sensor assembly and arrangement and method for manufacturing a sensor assembly        | National | ams AG               |
| 172 | FR      | 13-16_FR    | P2016,0532 FR E | 10-Mai-16 | 16169007.8        | 3243793        | 07-Nov-18 | Sensor assembly and arrangement and method for manufacturing a sensor assembly        | Granted  | ams AG               |
| 173 | GB      | 13-16_GB    | P2016,0532 GB E | 10-Mai-16 | 16169007.8        | 3243793        | 07-Nov-18 | Sensor assembly and arrangement and method for manufacturing a sensor assembly        | Granted  | ams AG               |

| No  | Country | ams Ref   | Attorney Ref    | FilDate   | AppNumber         | PatNumber      | IssDate   | App Title                                                                                                                                                    | Status   | Registered Owner         |
|-----|---------|-----------|-----------------|-----------|-------------------|----------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|
| 174 | US      | 13-16_US  | P2016,0532 US N | 05-Mai-17 | 16/098,230        |                |           | Sensor assembly and arrangement and method for manufacturing a sensor assembly                                                                               | Pending  | ams AG                   |
| 175 | WO      | 13-16_WO  | P2016,0532 WO N | 05-Mai-17 | PCT/EP2017/060810 |                |           | Sensor assembly and arrangement and method for manufacturing a sensor assembly                                                                               | National | ams AG                   |
| 176 | EP      | 69-16_EP  | P2016,0594 EP N | 28-Apr-17 | 17719296.0        |                |           | METHOD FOR DETERMINING AN ABSOLUTE GAS CONCENTRATION USING A GAS SENSOR ARRANGEMENT AND GAS SENSOR ARRANGEMENT FOR DETERMINING AN ABSOLUTE GAS CONCENTRATION | ExamPub  | ams Sensors Germany GmbH |
| 177 | US      | 69-16_US  | P2016,0594 US N | 28-Apr-17 | 16/303,317        |                |           | METHOD FOR DETERMINING AN ABSOLUTE GAS CONCENTRATION USING A GAS SENSOR ARRANGEMENT AND GAS SENSOR ARRANGEMENT FOR DETERMINING AN ABSOLUTE GAS CONCENTRATION | Pending  | ams Sensors Germany GmbH |
| 178 | WO      | 69-16_WO  | P2016,0594 WO N | 28-Apr-17 | PCT/EP2017/060244 |                |           | METHOD FOR DETERMINING AN ABSOLUTE GAS CONCENTRATION USING A GAS SENSOR ARRANGEMENT AND GAS SENSOR ARRANGEMENT FOR DETERMINING AN ABSOLUTE GAS CONCENTRATION | National | ams Sensors Germany GmbH |
| 179 | DE      | A16-02_DE | P2016,0696 DE N | 12-Apr-02 | 02008351.5        | 50200041.4     | 10-Sep-03 | Widerstandsmessung                                                                                                                                           | Granted  | ams Sensors Germany GmbH |
| 180 | US      | A16-02_US | P2016,0696 US N | 18-Apr-02 | 10/125,766        | 6,690,183      | 10-Feb-04 | RESISTANCE MEASUREMENT                                                                                                                                       | Granted  | ams Sensors Germany GmbH |
| 181 | DE      | A16-03_DE | P2016,0697 DE E | 06-Mai-05 | 05009872.2        | 502005014059.1 | 06-Nov-13 | Method and apparatus for temperature compensation of a sensing bridge                                                                                        | Granted  | ams Sensors Germany GmbH |

| No  | Country | ams Ref    | Attorney Ref    | FilDate   | AppNumber      | PatNumber        | IssDate   | App Title                                                                                                  | Status   | Registered Owner         |
|-----|---------|------------|-----------------|-----------|----------------|------------------|-----------|------------------------------------------------------------------------------------------------------------|----------|--------------------------|
| 182 | FR      | A16-03_FR  | P2016,0697 FR E | 06-Mai-05 | 05009872.2     | 1719990          | 06-Nov-13 | Method and apparatus for temperature compensation of a sensing bridge                                      | Granted  | ams Sensors Germany GmbH |
| 183 | GB      | A16-03_GB  | P2016,0697 GB E | 06-Mai-05 | 05009872.2     | 1719990          | 06-Nov-13 | Method and apparatus for temperature compensation of a sensing bridge                                      | Granted  | ams Sensors Germany GmbH |
| 184 | US      | A16-03_US  | P2016,0697 US N | 27-Apr-06 | 11/380,547     | 7,304,484        | 04-Dez-07 | Method and apparatus for temperature compensation of a sensing bridge                                      | Granted  | ams Sensors Germany GmbH |
| 185 | DE      | A16-04_DE  | P2016,0698 DE N | 03-Mai-06 | 102006020301.1 | 102006020301     | 31-Jul-14 | Verfahren und Vorrichtung zum Messen von Kapazitäten                                                       | Granted  | ams Sensors Germany GmbH |
| 186 | FR      | A16-04_FR  | P2016,0698 FR N | 02-Mai-06 | 0603907        | 0603907          | 10-Jun-16 | PROCEDE ET DISPOSITIF DE MESURE DE CAPACITES                                                               | Granted  | ams Sensors Germany GmbH |
| 187 | GB      | A16-04_GB  | P2016,0698 GB N | 05-Mai-06 | 0608897.5      | 2425843          | 16-Sep-08 | Method and device for measuring capacitances                                                               | Granted  | ams Sensors Germany GmbH |
| 188 | US      | A16-04_US  | P2016,0698 US N | 05-Mai-06 | 11/381,786     | 7,403,020        | 22-Jul-08 | METHOD AND DEVICE FOR MEASURING CAPACITANCES                                                               | Granted  | ams Sensors Germany GmbH |
| 189 | DE      | A16-05_DE  | P2016,0699 DE E | 16-Ok1-10 | 102010048677.9 | 102010048677     | 02-Ok1-14 | Schaltung und Verfahren zum Messen der Entladezeit eines Kondensators über mindestens einen Messwiderstand | Granted  | ams Sensors Germany GmbH |
| 190 | CN      | A16-07_CN  | P2016,0700 CN N | 19-Sep-11 | 201110277372.5 | ZL201110277372.5 | 19-Aug-15 | Verfahren und Vorrichtung zum Messen der Laufzeit eines Ultraschallsignals in einer strömenden Flüssigkeit | Granted  | ams Sensors Germany GmbH |
| 191 | DE      | A16-07_DE  | P2016,0700 DE E | 19-Apr-11 | 202011005427.6 | 202011005427     | 20-Jul-12 | Vorrichtung zum Messen der Laufzeit eines Ultraschallsignals in einer strömenden Flüssigkeit               | Granted  | ams Sensors Germany GmbH |
| 192 | CN      | 38-16_CN   | P2016,0704 CN N | 14-Jun-17 | 201780037591.1 |                  |           | Sensor package and method of producing the sensor package                                                  | ExamPub  | ams International AG     |
| 193 | DE      | 38-16_DE01 | P2016,0704 DE E | 21-Jun-16 | 16175474.2     | 602016020250.6   | 11-Sep-19 | Sensorpaket und Verfahren zur Herstellung des Sensorpakets                                                 | Granted  | ams International AG     |
| 194 | EP      | 38-16_EP   | P2016,0704 EP E | 21-Jun-16 | 16175474.2     | 3260821          | 11-Sep-19 | Sensor package and method of producing the sensor package                                                  | National | ams International AG     |
| 195 | FR      | 38-16_FR01 | P2016,0704 FR E | 21-Jun-16 | 16175474.2     | 3260821          | 11-Sep-19 | Sensor package and method of producing the sensor package                                                  | Granted  | ams International AG     |

| No  | Country | ams Ref    | Attorney Ref    | FilDate   | AppNumber         | PatNumber      | IssDate   | App Title                                                                                                 | Status   | Registered Owner         |
|-----|---------|------------|-----------------|-----------|-------------------|----------------|-----------|-----------------------------------------------------------------------------------------------------------|----------|--------------------------|
| 196 | GB      | 38-16_GB01 | P2016,0704 GB E | 21-Jun-16 | 16175474.2        | 3260821        | 11-Sep-19 | Sensor package and method of producing the sensor package                                                 | Granted  | ams International AG     |
| 197 | US      | 38-16_US   | P2016,0704 US N | 14-Jun-17 | 16/312,002        |                |           | Sensor package and method of producing the sensor package                                                 | Pending  | ams International AG     |
| 198 | WO      | 38-16_WO   | P2016,0704 WO N | 14-Jun-17 | PCT/EP2017/064623 |                |           | Sensor package and method of producing the sensor package                                                 | National | ams International AG     |
| 199 | CN      | 39-16_CN   | P2016,0705 CN N | 14-Jun-17 | 201780038156.0    |                |           | Microphone and pressure sensor package and method of producing the microphone and pressure sensor package | ExamPub  | ams International AG     |
| 200 | EP      | 39-16_EP   | P2016,0705 EP E | 21-Jun-16 | 16175477.5        |                |           | Microphone and pressure sensor package and method of producing the microphone and pressure sensor package | ExamPub  | ams International AG     |
| 201 | US      | 39-16_US   | P2016,0705 US N | 14-Jun-17 | 16/312,058        |                |           | Microphone and pressure sensor package and method of producing the microphone and pressure sensor package | Pending  | ams International AG     |
| 202 | WO      | 39-16_WO   | P2016,0705 WO N | 14-Jun-17 | PCT/EP2017/064630 |                |           | Microphone and pressure sensor package and method of producing the microphone and pressure sensor package | National | ams International AG     |
| 203 | CN      | 08-16_CN   | P2016,0845 CN N | 19-Jul-17 | 201780046895.4    |                |           | Pressure Sensor Module                                                                                    | ExamPub  | ams AG                   |
| 204 | DE      | 08-16_DE01 | P2016,0845 DE E | 03-Aug-16 | 16182611.0        | 602016015814.0 | 26-Jun-19 | Drucksensormodul                                                                                          | Granted  | ams AG                   |
| 205 | EP      | 08-16_EP   | P2016,0845 EP E | 03-Aug-16 | 16182611.0        | 3279630        | 26-Jun-19 | Pressure Sensor Module                                                                                    | National | ams AG                   |
| 206 | FR      | 08-16_FR01 | P2016,0845 FR E | 03-Aug-16 | 16182611.0        | 3279630        | 26-Jun-19 | Pressure Sensor Module                                                                                    | Granted  | ams AG                   |
| 207 | GB      | 08-16_GB01 | P2016,0845 GB E | 03-Aug-16 | 16182611.0        | 3279630        | 26-Jun-19 | Pressure Sensor Module                                                                                    | Granted  | ams AG                   |
| 208 | US      | 08-16_US   | P2016,0845 US N | 19-Jul-17 | 16/316,079        |                |           | Pressure Sensor Module                                                                                    | Pending  | ams AG                   |
| 209 | WO      | 08-16_WO   | P2016,0845 WO N | 19-Jul-17 | PCT/EP2017/068243 |                |           | Pressure Sensor Module                                                                                    | National | ams AG                   |
| 210 | DE      | A16-06_DE  | P2016,0912 DE E | 21-Aug-13 | 102013013927.9    |                |           | Verfahren und Vorrichtung zum Messen der Fließgeschwindigkeit einer Flüssigkeit mittels Ultraschall       | ExamPub  | ams Sensors Germany GmbH |
| 211 | CN      | 81-16_CN   | P2016,1105 CN N | 02-Oct-17 | 201780060542.X    |                |           | Semiconductor device and method for forming a semiconductor device                                        | ExamPub  | ams International AG     |
| 212 | EP      | 81-16_EP   | P2016,1105 EP E | 30-Sep-16 | 16191885.9        |                |           | Semiconductor device and method for forming a semiconductor device                                        | ExamPub  | ams International AG     |

| No  | Country | ams Ref     | Attorney Ref     | FileDate  | AppNumber         | PatNumber      | IssDate   | App Title                                                                                      | Status    | Registered Owner     |
|-----|---------|-------------|------------------|-----------|-------------------|----------------|-----------|------------------------------------------------------------------------------------------------|-----------|----------------------|
| 213 | US      | 81-16_US    | P2016,1105 US N  | 02-Oct-17 | 16/337,554        |                |           | Semiconductor device and method for forming a semiconductor device                             | Pending   | ams International AG |
| 214 | WO      | 81-16_WO    | P2016,1105 WO N  | 02-Oct-17 | PCT/EP2017/074962 |                |           | Semiconductor device and method for forming a semiconductor device                             | National  | ams International AG |
| 215 | CN      | 133-15_CN   | P2016,1106 CN N  | 02-Oct-17 | 201780060256.3    |                |           | Pressure Sensor Device and Method for Forming a Pressure Sensor Device                         | ExamPub   | ams International AG |
| 216 | EP      | 133-15_EP02 | P2016,1106 EP E  | 30-Sep-16 | 16191894.1        |                |           | Pressure Sensor Device and Method for Forming a Pressure Sensor Device                         | Abandoned | ams International AG |
| 217 | EP      | 133-15_EP   | P2016,1106 EP E1 | 31-Oct-16 | 16196616.3        |                |           | Pressure Sensor Device and Method for Forming a Pressure Sensor Device                         | ExamPub   | ams International AG |
| 218 | US      | 133-15_US   | P2016,1106 US N  | 02-Oct-17 | 16/333,671        |                |           | Pressure Sensor Device and Method for Forming a Pressure Sensor Device                         | Pending   | ams International AG |
| 219 | WO      | 133-15_WO   | P2016,1106 WO N  | 02-Oct-17 | PCT/EP2017/074953 |                |           | Pressure Sensor Device and Method for Forming a Pressure Sensor Device                         | National  | ams International AG |
| 220 | CN      | 78-16_CN    | P2016,1466 CN N  | 08-Dec-17 | 201780079897.3    |                |           | Time-to-digital converter and conversion method                                                | ExamPub   | ams AG               |
| 221 | DE      | 78-16_DE    | P2016,1466 DE E  | 22-Dec-16 | 16206412.5        | 602016013545.0 | 08-Mai-19 | Zeit-Digital-Wandler und Umwandlungsverfahren                                                  | Granted   | ams AG               |
| 222 | EP      | 78-16_EP    | P2016,1466 EP E  | 22-Dec-16 | 16206412.5        | 3339985        | 08-Mai-19 | Time-to-digital converter and conversion method                                                | National  | ams AG               |
| 223 | FR      | 78-16_FR    | P2016,1466 FR E  | 22-Dec-16 | 16206412.5        | 3339985        | 08-Mai-19 | Time-to-digital converter and conversion method                                                | Granted   | ams AG               |
| 224 | GB      | 78-16_GB    | P2016,1466 GB E  | 22-Dec-16 | 16206412.5        | 3339985        | 08-Mai-19 | Time-to-digital converter and conversion method                                                | Granted   | ams AG               |
| 225 | TW      | 78-16_TW    | P2016,1466 TW N  | 20-Dec-17 | 106144816         | 1662794        | 11-Jun-19 | Time-to-digital converter and conversion method                                                | Granted   | ams AG               |
| 226 | US      | 78-16_US    | P2016,1466 US N  | 08-Dec-17 | 16/470,410        |                |           | Time-to-digital converter and conversion method                                                | Allowed   | ams AG               |
| 227 | WO      | 78-16_WO    | P2016,1466 WO N  | 08-Dec-17 | PCT/EP2017/082034 |                |           | Time-to-digital converter and conversion method                                                | National  | ams AG               |
| 228 | CN      | 125-16_CN   | P2017,0073 CN N  | 08-Dec-17 | 201780084662.3    |                |           | Method for calibrating a time-to-digital converter system and time-to-digital converter system | ExamPub   | ams AG               |
| 229 | DE      | 125-16_DE01 | P2017,0073 DE L  | 13-Feb-17 | 17155828.1        | 602017008127.2 | 30-Oct-19 | Verfahren zur Kalibrierung eines Zeit-Digital-Wandlersystems sowie Zeit-Digital-Wandlersystem  | Granted   | ams AG               |

| No  | Country | ams Ref     | Attorney Ref    | File Date | App Number        | Pat Number | Iss Date  | App Title                                                                                      | Status    | Registered Owner     |
|-----|---------|-------------|-----------------|-----------|-------------------|------------|-----------|------------------------------------------------------------------------------------------------|-----------|----------------------|
| 230 | EP      | 125-16_EP   | P2017,0073 EP L | 13-Feb-17 | 17155828.1        | 3355133    | 30-Oct-19 | Method for calibrating a time-to-digital converter system and time-to-digital converter system | National  | ams AG               |
| 231 | FR      | 125-16_FR01 | P2017,0073 FR L | 13-Feb-17 | 17155828.1        | 3355133    | 30-Oct-19 | Method for calibrating a time-to-digital converter system and time-to-digital converter system | Granted   | ams AG               |
| 232 | GB      | 125-16_GB01 | P2017,0073 GB L | 13-Feb-17 | 17155828.1        | 3355133    | 30-Oct-19 | Method for calibrating a time-to-digital converter system and time-to-digital converter system | Granted   | ams AG               |
| 233 | TW      | 125-16_TW   | P2017,0073 TW N | 18-Jan-18 | 107101831         | 1660590    | 21-Mai-19 | Method for calibrating a time-to-digital converter system and time-to-digital converter system | Granted   | ams AG               |
| 234 | US      | 125-16_US   | P2017,0073 US E | 25-Jan-17 | 62/450,442        |            |           | Method for calibrating a time-to-digital converter system and time-to-digital converter system | Expired   | ams AG               |
| 235 | US      | 125-16_US02 | P2017,0073 US N | 08-Dez-17 | 16/477,265        |            |           | Method for calibrating a time-to-digital converter system and time-to-digital converter system | Pending   | ams AG               |
| 236 | WO      | 125-16_WO   | P2017,0073 WO N | 08-Dez-17 | PCT/EP2017/082081 |            |           | Method for calibrating a time-to-digital converter system and time-to-digital converter system | National  | ams AG               |
| 237 | EP      | 117-16_EP   | P2017,0462 EP E | 03-Apr-17 | 17164598.9        |            |           | Semiconductor device                                                                           | Exam Pub  | ams AG               |
| 238 | CN      | 113-16_CN01 | P2017,0622 CN N | 04-Mai-18 | 201880030655.X    |            |           | Superhydrophobic capacitive-type humidity sensor and corresponding fabrication method          | Exam      | ams International AG |
| 239 | EP      | 113-16_EP   | P2017,0622 EP E | 09-Mai-17 | 17170184.0        |            |           | Capacitive-type humidity sensor and corresponding fabrication method                           | Published | ams International AG |
| 240 | TW      | 113-16_TW   | P2017,0622 TW N | 23-Apr-18 | 107113693         | 1672770    | 21-Sep-19 | Sensor semiconductor device and method of producing the same                                   | Granted   | ams International AG |
| 241 | US      | 113-16_US01 | P2017,0622 US N | 04-Mai-18 | 16/611,805        |            |           | Sensor Semiconductor Device                                                                    | Pending   | ams International AG |
| 242 | WO      | 113-16_WO   | P2017,0622 WO N | 04-Mai-18 | PCT/EP2018/061525 |            |           | Superhydrophobic capacitive-type humidity sensor and corresponding fabrication method          | National  | ams International AG |
| 243 | CN      | 100-16_CN   | P2017,0664 CN N | 19-Apr-18 | 201880031811.4    |            |           | Circuit arrangement and method for resistance measurement                                      | Exam      | ams AG               |

| No  | Country | ams Ref     | Attorney Ref    | File Date | App Number        | Pat Number     | Iss Date  | App Title                                                                                                          | Status   | Registered Owner |
|-----|---------|-------------|-----------------|-----------|-------------------|----------------|-----------|--------------------------------------------------------------------------------------------------------------------|----------|------------------|
| 244 | DE      | 100-16_DE01 | P2017,0664 DE E | 17-Mai-17 | 17171558.4        | 602017007100.5 | 18-Sep-19 | Schaltungsanordnung und Verfahren zur Widerstandsmessung                                                           | Granted  | ams AG           |
| 245 | EP      | 100-16_EP   | P2017,0664 EP E | 17-Mai-17 | 17171558.4        | 3404428        | 18-Sep-19 | Circuit arrangement and method for resistance measurement                                                          | National | ams AG           |
| 246 | FR      | 100-16_FR01 | P2017,0664 FR E | 17-Mai-17 | 17171558.4        | 3404428        | 18-Sep-19 | Circuit arrangement and method for resistance measurement                                                          | Granted  | ams AG           |
| 247 | GB      | 100-16_GB01 | P2017,0664 GB E | 17-Mai-17 | 17171558.4        | 3404428        | 18-Sep-19 | Circuit arrangement and method for resistance measurement                                                          | Granted  | ams AG           |
| 248 | US      | 100-16_US   | P2017,0664 US N | 19-Apr-18 | 16/605,928        |                |           | Circuit arrangement and method for resistance measurement                                                          | Pending  | ams AG           |
| 249 | WO      | 100-16_WO   | P2017,0664 WO N | 19-Apr-18 | PCT/EP2018/060043 |                |           | Circuit arrangement and method for resistance measurement                                                          | National | ams AG           |
| 250 | CN      | 112-16_CN01 | P2017,1061 CN N | 05-Jul-18 |                   |                |           | Method for determining an electrical parameter and measurement arrangement for determining an electrical parameter | Exam     | ams AG           |
| 251 | EP      | 112-16_EP   | P2017,1061 EP E | 31-Jul-17 | 17184021.8        |                |           | Method for determining an electrical parameter and measurement arrangement for determining an electrical parameter | ExamPub  | ams AG           |
| 252 | US      | 112-16_US01 | P2017,1061 US N | 05-Jul-18 | 16/634,477        |                |           | Method for determining an electrical parameter and measurement arrangement for determining an electrical parameter | Pending  | ams AG           |
| 253 | WO      | 112-16_WO   | P2017,1061 WO N | 05-Jul-18 | PCT/EP2018/068258 |                |           | Method for determining an electrical parameter and measurement arrangement for determining an electrical parameter | National | ams AG           |
| 254 | CN      | 21-17_CN01  | P2017,1155 CN N | 18-Jul-18 |                   |                |           | Method for operating a gas sensor arrangement and gas sensor arrangement                                           | Exam     | ams AG           |
| 255 | EP      | 21-17_EP    | P2017,1155 EP E | 21-Aug-17 | 17187089.2        |                |           | Method for operating a gas sensor arrangement and gas sensor arrangement                                           | ExamPub  | ams AG           |
| 256 | US      | 21-17_US01  | P2017,1155 US N | 18-Jul-18 |                   |                |           | Method for operating a gas sensor arrangement and gas sensor arrangement                                           | Pending  | ams AG           |

| No  | Country | ams Ref     | Attorney Ref    | FileDate  | AppNumber         | PatNumber | IssDate | App Title                                                                      | Status    | Registered Owner       |
|-----|---------|-------------|-----------------|-----------|-------------------|-----------|---------|--------------------------------------------------------------------------------|-----------|------------------------|
| 257 | WO      | 21-17_WO    | P2017,1155 WO N | 18-Jul-18 | PCT/EP2018/069554 |           |         | Method for operating a gas sensor arrangement and gas sensor arrangement       | National  | ams AG                 |
| 258 | EP      | 107-16_EP   | P2017,1470 EP E | 25-Oct-17 | 17198261.4        |           |         | CHARGE PUMP STRUCTURE WITH REGULATED OUTPUT VOLTAGE                            | ExamPub   | ams AG                 |
| 259 | WO      | 107-16_WO   | P2017,1470 WO N | 17-Oct-18 | PCT/EP2018/078413 |           |         | CHARGE PUMP STRUCTURE WITH REGULATED OUTPUT VOLTAGE                            | Published | ams AG                 |
| 260 | EP      | 76-17_EP    | P2018,0306 EP E | 14-Mrz-18 | 18161786.1        |           |         | Monolithic gas sensor arrangement, manufacturing method and measurement method | ExamPub   | ams International AG   |
| 261 | WO      | 76-17_WO    | P2018,0306 WO N | 28-Feb-19 | PCT/EP2019/055059 |           |         | Monolithic gas sensor arrangement, manufacturing method and measurement method | Published | ams International AG   |
| 262 | EP      | 106-17_EP   | P2018,0626 EP E | 28-Mai-18 | 18174624.9        |           |         | Sensor arrangement and method of operating a sensor arrangement                | Published | ams Sensors UK Limited |
| 263 | WO      | 106-17_WO   | P2018,0626 WO N | 10-Apr-19 | PCT/EP2019/059152 |           |         | Sensor arrangement and method of operating a sensor arrangement                | Published | ams Sensors UK Limited |
| 264 | EP      | 063-18_EP   | P2018,0644 EP E | 28-Mai-18 | 18174623.1        |           |         | Sensor arrangement and method of operating a sensor arrangement                | Abandoned | ams Sensors UK Limited |
| 265 | WO      | 063-18_WO   | P2018,0644 WO N | 10-Apr-19 | PCT/EP2019/059149 |           |         | Sensor arrangement and method of operating a sensor arrangement                | Published | ams Sensors UK Limited |
| 266 | EP      | 062-18_EP   | P2018,0859 EP E | 29-Jun-18 | 18180905.4        |           |         | Temperature sensor semiconductor device with pair of diodes and feedback loop  | Published | ams Sensors UK Limited |
| 267 | WO      | 062-18_WO01 | P2018,0859 WO N | 03-Jun-19 | PCT/EP2019/064324 |           |         | Temperature sensor semiconductor device with pair of diodes and feedback loop  | Published | ams Sensors UK Limited |
| 268 | EP      | 012-18_EP   | P2018,0864 EP E | 02-Jul-18 | 18181164.7        |           |         | Method and Circuit for temperature sensing, electrical appliance               | Published | ams AG                 |
| 269 | WO      | 012-18_WO01 | P2018,0864 WO N | 18-Jun-19 | PCT/EP2019/066052 |           |         | Method and Circuit for temperature sensing, electrical appliance               | Published | ams AG                 |

| No  | Country | ams Ref      | Attorney Ref    | File Date | App Number        | Pat Number | Iss Date | App Title                                                                                                                                         | Status  | Registered Owner     |
|-----|---------|--------------|-----------------|-----------|-------------------|------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|
| 270 | EP      | 060-18_EP    | P2018,1075 EP E | 29-Aug-18 | 18191502.6        |            |          | Temperature sensor arrangement, light sensor arrangement, mobile computing device including the same and methods using the same                   | Pending | ams International AG |
| 271 | WO      | 060-18_WO    | P2018,1075 WO N | 19-Aug-19 | PCT/EP2019/072123 |            |          | Temperature sensor arrangement, light sensor arrangement, mobile computing device including the same and methods using the same                   | Pending | ams International AG |
| 272 | EP      | P-00293_EP   | P2018,1333 EP E | 24-Oct-18 | 18202378.8        |            |          | Electric circuit arrangement to control current generation                                                                                        | Pending | ams AG               |
| 273 | WO      | P-00293_WO   | P2018,1333 WO N | 26-Sep-19 | PCT/EP2019/076047 |            |          | Electric circuit arrangement to control current generation                                                                                        | Pending | ams AG               |
| 274 | EP      | P-00096_EP   | P2018,1352 EP E | 30-Oct-18 | 18203423.1        |            |          | Electro-thermal based device and method for operating a heater                                                                                    | Pending | ams AG               |
| 275 | WO      | P-00096_WO01 | P2018,1352 WO N | 25-Oct-19 | PCT/EP2019/079228 |            |          | Electro-thermal based device and method for operating a heater                                                                                    | Pending | ams AG               |
| 276 | EP      | 143-16_EP    | P2018,1378 EP E | 07-Nov-18 | 18205001.3        |            |          | Semiconductor transducer device with multilayer diaphragm and method of manufacturing a semiconductor transducer device with multilayer diaphragm | Pending | ams International AG |
| 277 | TW      | 143-16_TW    | P2018,1378 TW N | 05-Nov-19 | 108140098         |            |          | Semiconductor transducer device with multilayer diaphragm and method of manufacturing a semiconductor transducer device with multilayer diaphragm | Pending | ams International AG |
| 278 | WO      | 143-16_WO01  | P2018,1378 WO N | 16-Oct-19 | PCT/EP2019/078113 |            |          | Semiconductor transducer device with multilayer diaphragm and method of manufacturing a semiconductor transducer device with multilayer diaphragm | Pending | ams International AG |

| No  | Country | ams Ref      | Attorney Ref    | FilDate   | AppNumber         | PatNumber | IssDate | App Title                                                                                                                                         | Status  | Registered Owner     |
|-----|---------|--------------|-----------------|-----------|-------------------|-----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|
| 279 | EP      | 142-16_EP    | P2018,1381 EP E | 07-Nov-18 | 18205008.8        |           |         | Method of manufacturing a semiconductor transducer device with multilayer diaphragm and semiconductor transducer device with multilayer diaphragm | Pending | ams International AG |
| 280 | TW      | 142-16_TW01  | P2018,1381 TW N | 05-Nov-19 | 108140099         |           |         | Method of manufacturing a semiconductor transducer device with multilayer diaphragm and semiconductor transducer device with multilayer diaphragm | Pending | ams International AG |
| 281 | WO      | 142-16_WO01  | P2018,1381 WO N | 24-Oct-19 | PCT/EP2019/079068 |           |         | Method of manufacturing a semiconductor transducer device with multilayer diaphragm and semiconductor transducer device with multilayer diaphragm | Pending | ams International AG |
| 282 | EP      | P-00266_EP   | P2018,1435 EP E | 19-Nov-18 | 18207101.9        |           |         | Method for manufacturing an integrated MEMS transducer device and integrated MEMS transducer device                                               | Pending | ams International AG |
| 283 | TW      | P-00266_TW01 | P2018,1435 TW N | 12-Nov-19 | 108140992         |           |         | Method for manufacturing an integrated MEMS transducer device and integrated MEMS transducer device                                               | Pending | ams International AG |
| 284 | WO      | P-00266_WO01 | P2018,1435 WO N | 04-Nov-19 | PCT/EP2019/080091 |           |         | Method for manufacturing an integrated MEMS transducer device and integrated MEMS transducer device                                               | Pending | ams International AG |
| 285 | EP      | 044-18_EP    | P2018,1443 EP E | 20-Nov-18 | 18207376.7        |           |         | Method of detecting a time-of-flight, a time-of-flight converter, an ultrasound flow meter and an optical device                                  | Pending | ams AG               |
| 286 | WO      | 044-18_WO01  | P2018,1443 WO N | 20-Nov-19 | PCT/EP2019/081936 |           |         | Method of detecting a time-of-flight, a time-of-flight converter, an ultrasound flow meter and an optical device                                  | Pending | ams AG               |

| No  | Country | ams Ref       | Attorney Ref    | FileDate  | AppNumber         | PatNumber | IssDate | App Title                                                                                                              | Status      | Registered Owner         |
|-----|---------|---------------|-----------------|-----------|-------------------|-----------|---------|------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------|
| 287 | EP      | P-00294_EP    | P2018,1469 EP E | 27-Nov-18 | 18208673.6        |           |         | Sigma-delta analog-to-digital converter and sensor arrangements including the same                                     | Pending     | ams AG                   |
| 288 | WO      | P-00294_WO01  | P2018,1469 WO N | 26-Nov-19 | PCT/EP2019/082611 |           |         | Sigma-delta analog-to-digital converter and sensor arrangements including the same                                     | Pending     | ams AG                   |
| 289 | EP      | 025-18_EP     | P2018,1649 EP E | 21-Dec-18 | 18215454.2        |           |         | Sensor operable to measure ozone concentration and a method for using a sensor                                         | Pending     | ams AG                   |
| 290 | WO      | 025-18_WO01   | P2018,1649 WO N | 28-Nov-19 | PCT/EP2019/082908 |           |         | Sensor operable to measure ozone concentration and a method for using a sensor                                         | Pending     | ams AG                   |
| 291 | EP      | P-00349_EP    | P2019,0254 EP E | 06-Mrz-19 | 19161056.7        |           |         | Sensor device and method for operating a sensor device                                                                 | Pending     | ams AG                   |
| 292 | WO      | P-00349_WO01  | P2019,0254 WO N |           |                   |           |         | Sensor device and method for operating a sensor device                                                                 | ToBeFiled   | ams AG                   |
| 293 | EP      | P-00341_EP01  | P2019,0938 EP E | 09-Aug-19 | 19191055.3        |           |         | Electric circuitry for strain measurement                                                                              | Pending     | ams Sensors Germany GmbH |
| 294 | EP      | P-00320_EP    | P2019,0949 EP E | 14-Aug-19 | 19191794.7        |           |         | Sensor arrangement and method for fabricating a sensor arrangement                                                     | Pending     | ams International AG     |
| 295 | US      | 74-17_US Prov | P2019,0990 US E | 17-Nov-17 | 62/587,508        |           |         | CAPACITIVE PRESSURE SENSORS AND OTHER DEVICES HAVING A SUSPENDED MEMBRANE AND HAVING ROUNDED CORNERS AT AN ANCHOR EDGE | NoRep-pass1 | ams International AG     |
| 296 | WO      | 74-17_WO01    | P2019,0990 WO N | 16-Nov-18 | PCT/EP2018/081562 |           |         | CAPACITIVE PRESSURE SENSORS AND OTHER DEVICES HAVING A SUSPENDED MEMBRANE AND HAVING ROUNDED CORNERS AT AN ANCHOR EDGE | Published   | ams International AG     |
| 297 | US      | 82-17_US Prov | P2019,0991 US E | 17-Nov-17 | 62/587,511        |           |         | ATTACHMENT OF STRESS SENSITIVE INTEGRATED CIRCUIT DIES                                                                 | NoRep-pass1 | ams International AG     |

| No  | Country | ams Ref        | Attorney Ref     | FileDate  | AppNumber         | PatNumber      | IssDate   | App Title                                                                                   | Status      | Registered Owner       |
|-----|---------|----------------|------------------|-----------|-------------------|----------------|-----------|---------------------------------------------------------------------------------------------|-------------|------------------------|
| 298 | WO      | 82-17_WO01     | P2019,0991 WO N  | 16-Nov-18 | PCT/EP2018/081569 |                |           | ATTACHMENT OF STRESS SENSITIVE INTEGRATED CIRCUIT DIES                                      | Published   | ams International AG   |
| 299 | TW      | 111-17_TW01    | P2019,0992 TW N  | 03-Dec-18 | 107143224         |                |           | MOVABLE APPARATUSES OPERABLE FOR ORIENTATION DETERMINATIONS USING MULTIPLE PRESSURE SENSORS | Pending     | ams International AG   |
| 300 | US      | 111-17_US Prov | P2019,0992 US E  | 15-Dec-17 | 62/599,123        |                |           | MOVABLE APPARATUSES OPERABLE FOR ORIENTATION DETERMINATIONS USING MULTIPLE PRESSURE SENSORS | NoRep-passi | ams International AG   |
| 301 | WO      | 111-17_WO01    | P2019,0992 WO N  | 07-Dec-18 | PCT/EP2018/083924 |                |           | MOVABLE APPARATUSES OPERABLE FOR ORIENTATION DETERMINATIONS USING MULTIPLE PRESSURE SENSORS | Published   | ams International AG   |
| 302 | US      | 003-18_US Prov | P2019,0993 US E  | 10-Jan-18 | 62/615,665        |                |           | CAPACITIVE PRESSURE SENSORS                                                                 | NoRep-passi | ams International AG   |
| 303 | WO      | 003-18_WO01    | P2019,0993 WO N  | 10-Jan-19 | PCT/EP2019/050563 |                |           | CAPACITIVE PRESSURE SENSORS                                                                 | Published   | ams International AG   |
| 304 | US      | 026-18_US      | P2019,0994 US E  | 25-Apr-18 | 62/662,366        |                |           | Integrated capacitive pressure sensors with temperature stable sensor output                | NoRep-passi | ams Sensors UK Limited |
| 305 | US      | 026-18_US02    | P2019,0994 US E1 | 07-Nov-18 | 62/756,725        |                |           | Capacitive sensors having temperature stable output                                         | NoRep-passi | ams Sensors UK Limited |
| 306 | WO      | 026-18_WO01    | P2019,0994 WO N  | 25-Apr-19 | PCT/EP2019/060675 |                |           | CAPACITIVE SENSORS HAVING TEMPERATURE STABLE OUTPUT                                         | Published   | ams Sensors UK Limited |
| 307 | DE      | PX206/705_DE   | P2019,0995 DE N  | 12-Jul-06 | 66765348.5        | 602006031744.1 | 29-Aug-12 | Gas-sensing semiconductor devices                                                           | Granted     | ams Sensors UK Limited |
| 308 | GB      | PX206/705_GB   | P2019,0995 GB N  | 12-Jul-06 | 66765348.5        | 1929284        | 29-Aug-12 | Gas-sensing semiconductor devices                                                           | Granted     | ams Sensors UK Limited |
| 309 | JP      | PX206/705_JP   | P2019,0995 JP N  | 12-Jul-06 | 2008-528584       | 5137836        | 22-Nov-12 | Gas-sensing semiconductor devices                                                           | Granted     | ams Sensors UK Limited |
| 310 | US      | PX206/705_US   | P2019,0995 US N  | 12-Jul-06 | 12/065,296        | 7,849,727      | 14-Dec-10 | Gas-sensing semiconductor devices                                                           | Granted     | ams Sensors UK Limited |
| 311 | CN      | PC927878_CN    | P2019,0996 CN N  | 23-Jan-17 | 201780008542.5    |                |           | Environmental Sensor Test Methodology                                                       | ExamPub     | ams Sensors UK Limited |

| No  | Country | ams Ref          | Attorney Ref     | FilDate   | AppNumber         | PatNumber        | IssDate   | App Title                                       | Status     | Registered Owner       |
|-----|---------|------------------|------------------|-----------|-------------------|------------------|-----------|-------------------------------------------------|------------|------------------------|
| 312 | EP      | PC927878_EP      | P2019,0996 EP N  | 23-Jan-17 | 17701917.1        |                  |           | Environmental Sensor Test Methodology           | ExamPub    | ams Sensors UK Limited |
| 313 | US      | PC927878_US      | P2019,0996 US E  | 29-Jan-16 | 15/010,152        | 10,429,329       | 01-Oct-19 | Environmental Sensor Test Methodology           | Granted    | ams Sensors UK Limited |
| 314 | WO      | PC927878_WO      | P2019,0996 WO N  | 23-Jan-17 | PCT/GB2017/050154 |                  |           | AN ENVIRONMENTAL SENSOR TEST METHODOLOGY        | NoRep-pass | ams Sensors UK Limited |
| 315 | CN      | PC927752_CN      | P2019,0997 CN N  | 19-Sep-16 | 201680059137.1    |                  |           | Micro gas sensor with a gas permeable region    | Published  | ams Sensors UK Limited |
| 316 | EP      | PC927752_EP      | P2019,0997 EP N  | 19-Sep-16 | 16770344.6        |                  |           | Micro gas sensor with a gas permeable region    | Published  | ams Sensors UK Limited |
| 317 | GB      | PC927752_GB      | P2019,0997 GB E  | 30-Sep-15 | 1517238.0         |                  |           | Micro gas sensor with a gas permeable region    | Published  | ams Sensors UK Limited |
| 318 | US      | PC927752_US      | P2019,0997 US N  | 19-Sep-16 | 15/763,294        |                  |           | GAS SENSOR WITH A GAS PERMEABLE REGION          | Published  | ams Sensors UK Limited |
| 319 | CN      | PC927772_CN      | P2019,0998 CN N  | 13-Dec-16 | 201680072838.9    |                  |           | Sensing layer formation                         | Published  | ams Sensors UK Limited |
| 320 | EP      | PC927772_EP      | P2019,0998 EP N  | 13-Dec-16 | 16812814.8        |                  |           | Sensing layer formation                         | ExamPub    | ams Sensors UK Limited |
| 321 | GB      | PC927772_GB      | P2019,0998 GB E  | 14-Dec-15 | 1521999.1         |                  |           | Sensing layer formation                         | ExamPub    | ams Sensors UK Limited |
| 322 | US      | PC927772_US      | P2019,0998 US N  | 13-Dec-16 | 16/061,428        |                  |           | Sensing layer formation                         | Published  | ams Sensors UK Limited |
| 323 | WO      | PC927772_WO      | P2019,0998 WO N  | 13-Dec-16 | PCT/GB2016/053921 |                  |           | Sensing layer formation                         | NoRep-pass | ams Sensors UK Limited |
| 324 | GB      |                  | P2019,0999 GB E  | 10-Jan-05 | 0500393.4         |                  |           | GAS-SENSING SEMICONDUCTOR DEVICE                | NoRep-pass | ams Sensors UK Limited |
| 325 | GB      | PX200647_GB01    | P2019,0999 GB N  | 15-Mrz-05 | 0505192.5         | 2422017          | 16-Mrz-10 | GAS-SENSING SEMICONDUCTOR DEVICE                | Granted    | ams Sensors UK Limited |
| 326 | GB      | PX200647_GB02 N1 | P2019,0999 GB N1 | 15-Mrz-05 | 1000225.1         | 2464016          | 29-Jun-10 | GAS-SENSING SEMICONDUCTOR DEVICE                | Granted    | ams Sensors UK Limited |
| 327 | JP      | PX200647_JP      | P2019,0999 JP N  | 01-Apr-05 | 2005-106025       | 4936677          | 02-Mrz-12 | GAS-SENSING SEMICONDUCTOR DEVICE                | Granted    | ams Sensors UK Limited |
| 328 | US      | PX200647_US      | P2019,0999 US N  | 30-Mrz-05 | 11/092,654        | 7,495,300        | 24-Feb-09 | GAS-SENSING SEMICONDUCTOR DEVICE                | Granted    | ams Sensors UK Limited |
| 329 | CH      | PX209214_CH      | P2019,1000 CH N  | 02-Mai-13 | 13720523.3        | 2848087          | 15-Nov-17 | IR SENDER UND NICTHISPERSIVE INFRAROT-GASSENSOR | Granted    | ams Sensors UK Limited |
| 330 | CN      | PX209214_CN      | P2019,1000 CN N  | 02-Mai-13 | 201380024495.5    | ZL201380024495.5 | 28-Nov-17 | ELECTROMIGRATION REDUCTION IN MICRO-HOTPLATES   | Granted    | ams Sensors UK Limited |
| 331 | DE      | PX209214_DE      | P2019,1000 DE N  | 02-Mai-13 | 13720523.3        | 602013029446.1   | 15-Nov-17 | IR SENDER UND NICTHISPERSIVE INFRAROT-GASSENSOR | Granted    | ams Sensors UK Limited |
| 332 | EP      | PX209214_EP      | P2019,1000 EP N  | 02-Mai-13 | 13720523.3        | 2848087          | 15-Nov-17 | IR EMITTER AND NDIR SENSOR                      | NoRep-pass | ams Sensors UK Limited |

| No  | Country | ams Ref       | Attorney Ref     | File Date | App Number        | Pat Number | Iss Date  | App Title                                     | Status     | Registered Owner       |
|-----|---------|---------------|------------------|-----------|-------------------|------------|-----------|-----------------------------------------------|------------|------------------------|
| 333 | GB      | PX209214_GB   | P2019,1000 GB N  | 02-Mai-13 | 13720523.3        | 2848087    | 15-Nov-17 | ELECTROMIGRATION REDUCTION IN MICRO-HOTPLATES | Granted    | ams Sensors UK Limited |
| 334 | KR      | PX209214_KR   | P2019,1000 KR N  | 02-Mai-13 | 10-2014-7033674   |            |           | ELECTROMIGRATION REDUCTION IN MICRO-HOTPLATES | ExamPub    | ams Sensors UK Limited |
| 335 | US      | PX209214_US01 | P2019,1000 US E  | 21-Jan-10 | 12/691,104        | 8,410,560  | 02-Apr-13 | ELECTROMIGRATION REDUCTION IN MICRO-HOTPLATES | Granted    | ams Sensors UK Limited |
| 336 | US      | PX209214_US02 | P2019,1000 US E1 | 08-Mai-12 | 13/466,626        | 8,859,303  | 14-Oct-14 | ELECTROMIGRATION REDUCTION IN MICRO-HOTPLATES | Granted    | ams Sensors UK Limited |
| 337 | US      | PX209214_US03 | P2019,1000 US E2 | 10-Jun-14 | 14/300,830        | 9,214,604  | 15-Dec-15 | IR EMITTER AND NDIR SENSOR                    | Granted    | ams Sensors UK Limited |
| 338 | WO      | PX209214_WO   | P2019,1000 WO N  | 02-Mai-13 | PCT/GB2013/051146 |            |           | PLASMONIC IR DEVICES                          | Granted    | ams Sensors UK Limited |
| 339 | US      | 85-17 US      | P2019,1001 US E  | 12-Mrz-18 | 15/918,143        |            |           | ELECTROMIGRATION REDUCTION IN MICRO-HOTPLATES | NoRep-pass | ams Sensors UK Limited |
| 340 | WO      | 85-17_WO      | P2019,1001 WO N  | 12-Mrz-19 | PCT/GB2019/050688 |            |           | GAS SENSOR                                    | Published  | ams Sensors UK Limited |
| 341 | US      | P-00314 US    | P2019,1002 US E  | 26-Sep-18 | 16/143,323        |            |           | ALUMINA DOPED METAL OXIDE GAS SENSOR          | Published  | ams Sensors UK Limited |
| 342 | WO      | P-00314 WO01  | P2019,1002 WO N  | 18-Sep-19 | PCT/GB2019/052625 |            |           | GAS SENSORS                                   | Pending    | ams Sensors UK Limited |
| 343 | US      | 037-18 US     | P2019,1003 US E  | 12-Nov-18 | 16/186,824        |            |           | GAS SENSORS                                   | Pending    | ams Sensors UK Limited |
| 344 | WO      | 037-18 WO01   | P2019,1003 WO N  | 06-Nov-19 | PCT/EP2019/080372 |            |           | GAS SENSORS                                   | Pending    | ams Sensors UK Limited |
| 345 | US      | 040-18 US     | P2019,1004 US E  | 12-Nov-18 | 16/186,843        |            |           | GAS SENSORS                                   | Pending    | ams Sensors UK Limited |
| 346 | WO      | 040-18 WO01   | P2019,1004 WO N  | 05-Nov-19 | PCT/EP2019/080231 |            |           | A Gas Sensor                                  | Pending    | ams Sensors UK Limited |
| 347 | US      | P-00350 US    | P2019,1005 US E  | 16-Mai-19 | 16/414,127        |            |           | Photo-annealing in Metal Oxide Sensors        | Pending    | ams AG                 |
| 348 | GB      | PC927543 GB   | P2019,1006 GB E  | 15-Dec-14 | 1422253.3         |            |           | Micro-hotplates                               | ExamPub    | ams Sensors UK Limited |

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