

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8328713

|                                                                                                                                                                                                 |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| SUBMISSION TYPE:                                                                                                                                                                                | NEW ASSIGNMENT                   |
| NATURE OF CONVEYANCE:                                                                                                                                                                           | ASSIGNMENT                       |
| CONVEYING PARTY DATA                                                                                                                                                                            |                                  |
| Name                                                                                                                                                                                            | Execution Date                   |
| ESHARD SAS                                                                                                                                                                                      | 11/23/2023                       |
| RECEIVING PARTY DATA                                                                                                                                                                            |                                  |
| Name:                                                                                                                                                                                           | SECURE-IC SAS                    |
| Street Address:                                                                                                                                                                                 | 801 AVENUE DES CHAMPS BLANCS     |
| City:                                                                                                                                                                                           | CESSON-SEVIGNÉ                   |
| State/Country:                                                                                                                                                                                  | FRANCE                           |
| Postal Code:                                                                                                                                                                                    | 35510                            |
| PROPERTY NUMBERS Total: 7                                                                                                                                                                       |                                  |
| Property Type                                                                                                                                                                                   | Number                           |
| Patent Number:                                                                                                                                                                                  | 10505711                         |
| Patent Number:                                                                                                                                                                                  | 11070359                         |
| Patent Number:                                                                                                                                                                                  | 10491372                         |
| Patent Number:                                                                                                                                                                                  | 10644873                         |
| Patent Number:                                                                                                                                                                                  | 10581588                         |
| Patent Number:                                                                                                                                                                                  | 10439796                         |
| Patent Number:                                                                                                                                                                                  | 10439797                         |
| CORRESPONDENCE DATA                                                                                                                                                                             |                                  |
| Fax Number:                                                                                                                                                                                     | (202)470-6464                    |
| <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> |                                  |
| Phone:                                                                                                                                                                                          | 202-470-6450                     |
| Email:                                                                                                                                                                                          | victoria@brakehughes.com         |
| Correspondent Name:                                                                                                                                                                             | BRAKE HUGHES BELLERMANN LLP      |
| Address Line 1:                                                                                                                                                                                 | 1701 PENNSYLVANIA AVENUE         |
| Address Line 2:                                                                                                                                                                                 | SUITE 200                        |
| Address Line 4:                                                                                                                                                                                 | WASHINGTON, D.C. 20006           |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                         | 0134-001001                      |
| NAME OF SUBMITTER:                                                                                                                                                                              | PAUL W. CHURILLA, REG NO. 47,495 |
| SIGNATURE:                                                                                                                                                                                      | /Paul W. Churilla/               |
| DATE SIGNED:                                                                                                                                                                                    | 12/13/2023                       |

**Total Attachments: 5**

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**DEED OF ASSIGNMENT  
FOR PATENT**

THIS DEED OF ASSIGNMENT is made  
between

eShard SAS

a company incorporated and existing  
under the laws of France

and having its registered office at  
11 avenue de Canteranne, 33600  
Pessac, FRANCE

hereinafter referred to as "the Assignor"  
of the one part

and

Secure-IC SAS

a company incorporated and existing  
under the laws of France

and having its registered office at  
801 avenue des champs blancs, 35510  
Cesson-Sevigné, France

hereinafter referred to as "the Assignee"  
of the other part

**ACTE DE CESSION DE BREVET**

LA PRESENTE CESSION est faite entre

eShard SAS

Société constituée selon les lois de France

ayant son siège social  
11 avenue de Canteranne, 33600 Pessac,  
FRANCE

ci-après désignée "la Cédante"  
d'une part

et

Secure-IC SAS

Société constituée selon les lois de France

ayant son siège social  
801 avenue des champs blancs, 35510  
Cesson-Sevigné, France

ci-après désignée la "Cessionnaire"  
d'autre part,

WHEREAS the Assignor is the registered proprietor of the patents, particulars of which appear in the schedule hereunder (see Appendix), and desires to assign the said patents, to the Assignee

ATTENDU que la Cédante est propriétaire des brevets enregistrés et détaillés sur la liste jointe (cf Annexe) et qu'elle désire céder lesdits brevets à la Cessionnaire,

AND WHEREAS the Assignee is desirous of acquiring the said patents

ET ATTENDU que la Cessionnaire est désireuse d'acquérir lesdits brevets

NOW THIS DEED WITNESS that in consideration of the premises the Assignor assigns to the Assignee and the Assignee hereby accepts the assignment of the patents applications or the patents listed in the Schedule hereunder (or set forth below)

EN CONSEQUENCE, la présente cession atteste que, en considération de ce qui précède, la Cédante cède par la présente à la Cessionnaire, et la Cessionnaire accepte par la présente la/les demandes de brevets ou le(s) brevet(s) détaillé/s sur la liste ci-jointe (ou, désignée/s ci-dessus)

The possession by Assignee of the subject patents take place as from the date of 11/14/2023.

La date d'entrée en jouissance des dites demandes de brevets ou brevets est fixée à la date du 14/11/2023.

ACCORDINGLY, the undersigned appoints as their attorney in accordance with the purposes hereinafter mentioned,

EN CONSEQUENCE, les sociétés soussignées désignent comme leur mandataire aux effets ci-dessus,

**OMNIPAT SAS, represented by André Marchand, 24 place des Martyrs de la Résistance, 13100 Aix-en-Provence France**

**OMNIPAT SAS, représenté par André Marchand, 24 place des Martyrs de la Résistance, 13100 Aix-en-Provence France**

To whom they give power for them and their name, to take all necessary steps to effect the registration and the record of this assignment

A qui elles donnent pouvoir de, pour elles et en leur nom, de faire les démarches nécessaires pour effectuer l'enregistrement et l'inscription de cette cession

IN WITNESS WHEREOF the parties  
hereto have affixed their signature  
below

EN FOI DE QUOI. les parties présentes ont  
apposé leur signature ci-dessous

SIGNED on 29/11/2023

at Pessac

*Hugues Thiebeauld*

✓ Certified by  yousign

(Assignor)

SIGNE le 29/11/2023

à Pessac

*Hugues Thiebeauld*

✓ Certified by  yousign

(Cédant)

SIGNED on 11/23/2023

at Cesson-Sévigné

*Hassan Triqui*

✓ Certified by  yousign

(Assignee)

SIGNE le 23/11/2023

à Cesson-Sévigné

*Hassan Triqui*

✓ Certified by  yousign

(Cessionnaire)

**APPENDIX 1 – PATENTS LIST**  
**ANNEXE 1 – LISTE DES BREVETS**

| N° Famille<br>eShard | Titres                                                                           | Pays | N°Dépôt    | N°Publication | Statut             |
|----------------------|----------------------------------------------------------------------------------|------|------------|---------------|--------------------|
| ESHARD-002           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | US   | 15/439 553 | US20170244551 | Appeal 2022-002244 |
| ESHARD-002           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | DE   | 17156287.9 | EP3208788B1   | Délivré            |
| ESHARD-002           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | FR   | 17156287.9 | EP3208788B1   | Délivré            |
| ESHARD-002           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | GB   | 17156287.9 | EP3208788B1   | Délivré            |
| ESHARD-003           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | US   | 15/439 562 | US10505711B2  | Délivré            |
| ESHARD-003           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | DE   | 17156289.5 | EP 3208789B1  | Délivré            |
| ESHARD-003           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | FR   | 17156289.5 | EP 3208789B1  | Délivré            |
| ESHARD-003           | Procédé de protection d'un circuit contre une analyse par canaux auxiliaires     | GB   | 17156289.5 | EP 3208789B1  | Délivré            |
| ESHARD-004           | A protection method and device against a side-channel analysis                   | US   | 15/636 206 | US11070359B2  | Délivré            |
| ESHARD-004           | A protection method and device against a side-channel analysis                   | DE   | 16176714.0 | EP3264311B1   | Délivré            |
| ESHARD-004           | A protection method and device against a side-channel analysis                   | FR   | 16176714.0 | EP3264311B1   | Délivré            |
| ESHARD-004           | A protection method and device against a side-channel analysis                   | GB   | 16176714.0 | EP3264311B1   | Délivré            |
| ESHARD-005           | A protection method and device against a side-channel analysis                   | US   | 15/636 216 | US10491372B2  | Délivré            |
| ESHARD-005           | A protection method and device against a side-channel analysis                   | DE   | 16176716.5 | EP3264666B1   | Délivré            |
| ESHARD-005           | A protection method and device against a side-channel analysis                   | FR   | 16176716.5 | EP3264666B1   | Délivré            |
| ESHARD-005           | A protection method and device against a side-channel analysis                   | GB   | 16176716.5 | EP3264666B1   | Délivré            |
| ESHARD-006           | A method for protecting a substitution operation against a side-channel analysis | US   | 15/636 223 | US10644873B2  | Délivré            |

| N° Famille<br>eShard | Titres                                                                                                      | Pays | N°Dépôt    | N°Publication | Statut  |
|----------------------|-------------------------------------------------------------------------------------------------------------|------|------------|---------------|---------|
| ESHARD-006           | A method for protecting a substitution operation against a side-channel analysis                            | DE   | 16176717.3 | EP3264667B1   | Délivré |
| ESHARD-006           | A method for protecting a substitution operation against a side-channel analysis                            | FR   | 16176717.3 | EP3264667B1   | Délivré |
| ESHARD-006           | A method for protecting a substitution operation against a side-channel analysis                            | GB   | 16176717.3 | EP3264667B1   | Délivré |
| ESHARD-007-9         | A method for protecting a substitution operation using a substitution table against a side-channel analysis | US   | 15/636 225 | US10581588B2  | Délivré |
| ESHARD-007-9         | A method for protecting a substitution operation using a substitution table against a side-channel analysis | DE   | 16176718.1 | EP3264396B1   | Délivré |
| ESHARD-007-9         | A method for protecting a substitution operation using a substitution table against a side-channel analysis | FR   | 16176718.1 | EP3264396B1   | Délivré |
| ESHARD-007-9         | A method for protecting a substitution operation using a substitution table against a side-channel analysis | GB   | 16176718.1 | EP3264396B1   | Délivré |
| ESHARD-008           | A protection method and device against a side-channel analysis                                              | US   | 15/636 242 | US10439796B2  | Délivré |
| ESHARD-008           | A protection method and device against a side-channel analysis                                              | DE   | 16176719.9 | EP3264397B1   | Délivré |
| ESHARD-008           | A protection method and device against a side-channel analysis                                              | FR   | 16176719.9 | EP3264397B1   | Délivré |
| ESHARD-008           | A protection method and device against a side-channel analysis                                              | GB   | 16176719.9 | EP3264397B1   | Délivré |
| ESHARD-010           | A protection method and device against a side-channel analysis                                              | US   | 15/636 247 | US10439797B2  | Délivré |
| ESHARD-010           | A protection method and device against a side-channel analysis                                              | DE   | 16176721.5 | EP3264668B1   | Délivré |
| ESHARD-010           | A protection method and device against a side-channel analysis                                              | FR   | 16176721.5 | EP3264668B1   | Délivré |
| ESHARD-010           | A protection method and device against a side-channel analysis                                              | GB   | 16176721.5 | EP3264668B1   | Délivré |
| ESHARD-014           | Method of selecting software files                                                                          | DE   | 17194988.6 | EP3467691B1   | Délivré |
| ESHARD-014           | Method of selecting software files                                                                          | FR   | 17194988.6 | EP3467691B1   | Délivré |
| ESHARD-014           | Method of selecting software files                                                                          | GB   | 17194988.6 | EP3467691B1   | Délivré |