

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2592594

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                 | NEW ASSIGNMENT                      |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------|----------------|---------------------|-------------------------------------|---------------------|----------------------|--------------|------------|----------------|--------|--------------|-------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                            | ASSIGNMENT                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                                                             |                                     |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>PHILIPPE BOUCARD</td> <td>09/04/2013</td> </tr> <tr> <td>JEAN-JACQUES LECLER</td> <td>05/23/2013</td> </tr> <tr> <td>LAURENT MOLL</td> <td>08/24/2013</td> </tr> </tbody> </table>                                                                                         |                                     | Name          | Execution Date | PHILIPPE BOUCARD    | 09/04/2013                          | JEAN-JACQUES LECLER | 05/23/2013           | LAURENT MOLL | 08/24/2013 |                |        |              |       |
| Name                                                                                                                                                                                                                                                                                                                                                                             | Execution Date                      |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| PHILIPPE BOUCARD                                                                                                                                                                                                                                                                                                                                                                 | 09/04/2013                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| JEAN-JACQUES LECLER                                                                                                                                                                                                                                                                                                                                                              | 05/23/2013                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| LAURENT MOLL                                                                                                                                                                                                                                                                                                                                                                     | 08/24/2013                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                             |                                     |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| <table border="1"> <tr> <td>Name:</td> <td>ARTERIS SAS</td> </tr> <tr> <td>Street Address:</td> <td>IMMEUBLE NO. 5 NEPTUNE, PARK ARIANE</td> </tr> <tr> <td>Internal Address:</td> <td>BOULEVARD DES CHENES</td> </tr> <tr> <td>City:</td> <td>GUYANCOURT</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>78280</td> </tr> </table> |                                     | Name:         | ARTERIS SAS    | Street Address:     | IMMEUBLE NO. 5 NEPTUNE, PARK ARIANE | Internal Address:   | BOULEVARD DES CHENES | City:        | GUYANCOURT | State/Country: | FRANCE | Postal Code: | 78280 |
| Name:                                                                                                                                                                                                                                                                                                                                                                            | ARTERIS SAS                         |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                  | IMMEUBLE NO. 5 NEPTUNE, PARK ARIANE |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                | BOULEVARD DES CHENES                |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| City:                                                                                                                                                                                                                                                                                                                                                                            | GUYANCOURT                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                   | FRANCE                              |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                     | 78280                               |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                        |                                     |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13969451</td> </tr> </tbody> </table>                                                                                                                                                                                                        |                                     | Property Type | Number         | Application Number: | 13969451                            |                     |                      |              |            |                |        |              |       |
| Property Type                                                                                                                                                                                                                                                                                                                                                                    | Number                              |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| Application Number:                                                                                                                                                                                                                                                                                                                                                              | 13969451                            |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                              |                                     |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| <p>Fax Number:</p> <p>Phone: 650 387 0003</p> <p>Email: docketdls@yahoo.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: DANA LEGAL SERVICES</p> <p>Address Line 1: 325 SHARON PARK DRIVE</p> <p>Address Line 2: SUITE 217</p> <p>Address Line 4: MENLO PARK, CALIFORNIA 94025</p>                   |                                     |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                          | ART-024US2                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                               | JUBIN DANA                          |               |                |                     |                                     |                     |                      |              |            |                |        |              |       |

|                                                                                                                                                                                                                     |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Signature:                                                                                                                                                                                                          | /JUBIN DANA/ |
| Date:                                                                                                                                                                                                               | 10/27/2013   |
| <b>Total Attachments: 4</b><br>source=ART-024US1-3-AssignSigned#page1.tif<br>source=ART-024US1-3-AssignSigned#page2.tif<br>source=ART-024US1-3-AssignSigned#page3.tif<br>source=ART-024US1-3-AssignSigned#page4.tif |              |

## ASSIGNMENT OF PATENT APPLICATION and RELATED RIGHTS

WHEREAS: **Philippe Boucard residing in Le CHESNAY France;**  
**Jean-Jacques Lecler residing in Antibes, France;**  
**Laurent Moll residing in San Jose, CA USA**

(hereinafter referred to, individually and collectively, as "the ASSIGNOR") hereby declare and acknowledge that:

- (1) any willful false statement made herein is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both;
- (2) the application identified below was made or was authorized to be made by the ASSIGNOR as the affiant or declarant; and
- (3) the ASSIGNOR believes himself or herself to be the original inventor or an original joint inventor of a claimed invention described as set forth in the below-identified application for United States Letters Patent:

TITLE: SYSTEM TRANSLATION LOOK-ASIDE BUFFER WITH REQUEST-BASED  
ALLOCATION AND PREFETCHING  
FILING DATE: Aug 18, 2012  
APPLICATION SERIAL NO.: 61/684,705

TITLE: SYSTEM TRANSLATION LOOK-ASIDE BUFFER WITH REQUEST-BASED  
ALLOCATION AND PREFETCHING  
FILING DATE: Aug 16, 2013  
INTERNATIONAL APPLICATION NO.: PCT/US13/55451

TITLE: SYSTEM TRANSLATION LOOK-ASIDE BUFFER WITH REQUEST-BASED  
ALLOCATION AND PREFETCHING  
FILING DATE: Aug 16, 2013  
APPLICATION SERIAL NO.: 13/969,425

TITLE: SYSTEM TRANSLATION LOOK-ASIDE BUFFER INTEGRATED IN AN  
INTERCONNECT  
FILING DATE: Aug 16, 2013  
APPLICATION SERIAL NO.: 13/969,451

TITLE: DMA ENGINE WITH STLB PREFETCH CAPABILITIES AND TETHERED  
PREFETCHING  
FILING DATE: Aug 17, 2013  
APPLICATION SERIAL NO.: 13/969,559

and, whereas **ARTERIS SAS**, a corporation of FRANCE, located at Immeuble n° 5 Neptune, Parc Ariane, Boulevard des Chênes, 78280 Guyancourt, France (hereinafter referred to as "the ASSIGNEE") is desirous of acquiring the entire interest in, to, and under said invention and application and in, to, and under any Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries and Registrations that may be granted on the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of the valuable consideration by ASSIGNEE to ASSIGNOR, receipt of which is hereby acknowledged by ASSIGNORS, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title, and interest in and to said invention and application and to all foreign counterparts (including patent, utility model, and industrial design), and in and to any Letters Patent and Registrations that may hereafter be granted on the same in the United States and its territorial possessions and in any and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by ASSIGNEE and ASSIGNEE'S successors and assigns fully and exclusively for the full term of any Letters Patent and Registrations that may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

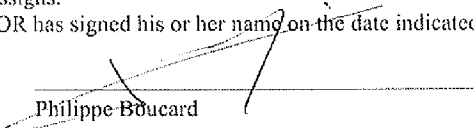
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this Assignment.

ASSIGNOR further agrees that her or she will, without charge to ASSIGNEE, but at ASSIGNEE'S expense, (a) cooperate with ASSIGNEE in the prosecution of US Patent application and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent application and instruments of transfer, and (c) perform such other acts as ASSIGNEE lawfully may request to obtain or maintain Letters Patent and Registrations for the invention identified above and improvements in any and all countries, and to vest title thereto in ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has signed his or her name on the date indicated.

September 04, 2013

Date

  
Philippe Boucard

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jean-Jacques Lecler

\_\_\_\_\_  
Date

\_\_\_\_\_  
Laurent Moll

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this Assignment.

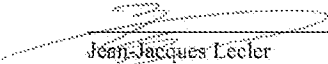
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IN TESTIMONY WHEREOF, ASSIGNOR has signed his or her name on the date indicated.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Philippe Boucard

05/05/2013  
Date

  
\_\_\_\_\_  
Jean-Jacques Lecler

\_\_\_\_\_  
Date

\_\_\_\_\_  
Laurent Moll

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\_\_\_\_\_  
Date

\_\_\_\_\_  
Philippe Boucard

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jean-Jacques Lecler

26 Aug 2013  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Laurent Moll