


Client Code: SANREL20.002APC

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party: 1. Alev Aydin 2. Francois Jaouen Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party: Name: BULL SAS Street Address: Rue Jean Jaures City: Les Clayes Sous Bois Country: France Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name Execution Date: 1. October 6, 2011 2. October 6, 2011	4. US or PCT Application number(s) or US Patent number(s): <input checked="" type="checkbox"/> Patent Application No.: 13/263698 Filing Date: October 7, 2011 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SANREL20.002APC	6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h)): \$40 <input checked="" type="checkbox"/> Authorized to be charged to deposit account	8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. <u>John M. Carson</u> Name of Person Signing 34,303 Registration No. <div style="text-align: center;">  Signature </div> <div style="text-align: right;"> <u>11/11/11</u> Date </div> <div style="text-align: center; margin-top: 10px;"> Total number of pages including cover sheet, attachments and document: 3 </div>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Director, U.S. Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450
Facsimile Number: (571) 273-0140

12171388
102711

700474978

PATENT
REEL: 027282 FRAME: 0167

CH \$40.00 111410 13263698

PATENT

ASSIGNMENT

WHEREAS, I/WE (1) Alev AYDIN
a French citizen, residing at 11, Chemin des Vignes, F-78990 ELANCOURT, France

(2) François JAOUEN
a French citizen, residing at 9, avenue Beauséjour, F-78340 LES CLAYES SOUS BOIS, France

(3) _____
a _____ citizen, residing at _____

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in "Method and device enabling the execution of heterogeneous transaction components", the specification of which:

- (a) ☐ was executed on even date herewith;
- (b) ☐ was filed on _____ as ☐ Application No. 0 / _____ or ☐ Express Mail No., as Application No. not yet known _____ and was amended on _____ (if applicable); or
- (c) ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, BULL SAS, with its principal place of business at Rue Jean Jaurès, F-78340 LES CLAYES SOUS BOIS, France, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 6 day of October 2011 Alev Aydin
Signature of first Inventor Alev AYDIN

Signature of Witness: Serge Grauloup

Printed Name of Witness: SEERGE GRAULOUP

PATENT

REEL: 027282 FRAME: 0168

This 6 day of October, 2011François JAOUEN
Signature of second inventor François JAOUENSignature of Witness: Margaret M JacobsPrinted Name of Witness: MARGARET M. JACOBS

This _____ day of _____, 20____

Signature of third inventor

Signature of Witness: _____

Printed Name of Witness: _____

2329566
012606