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1-31-92

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MRD 10-13-98

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David ARDITTI, Henri GILBERT, Jacques STEPHAN  
and David POINTCHEVAL

Additional name(s) of conveying party(ies) attached?  
 Yes  No

Name and address of receiving party(ies):

Name: FRANCE TELECOM

Address: 6, Place d'Alleray, 75015 PARIS, FRANCE

Additional name(s) & address(es) attached?  
 Yes  No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other \_\_\_\_\_
- Merger
- Change of Name

Execution Date: September 9, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/076,818

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 15-0030

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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.*

Marvin J. Spivak  
Name of Person Signing  
Registration No. 24,913

Robert A. Gause  
Signature  
Registration Number 27,295

10/13/98  
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PATENT  
REEL: 9504 FRAME: 0926

10/13/1998 JMW/CP 40.00 0000235 09076858 01 FC:581

## Assignment Of Application

Page 1 of 2

WHEREAS, I (WE)

1/ ARDITTI David : 46 Ter, Rue Paul Vaillant Couturier, 92140 CLAMART, FRANCE

2/ GILBERT Henri : 2, Allée des peupliers, 91440 BURES SUR YVETTE, FRANCE

3/ STERN Jacques : 7, rue Pierre Nicole, 75005 PARIS, FRANCE

4/ POINTCHEVAL David: 57, Avenue Paul Vaillant Couturier, 94230 CACHAN, FRANCE

respectively, have invented certain new and useful improvements in :

« PUBLIC KEY IDENTIFICATION PROCESS USING TWO HASH FUNCTIONS »

for which an application for Letters Patent was executed on September 9, 1998

(Application No. 09/076,818 , filed May 13, 1998 ), and

WHEREAS, FRANCE TELECOM

(hereinafter referred to as "assignee") having a place of business at :

6, Place d'Alleray, 75015 PARIS, FRANCE

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries ;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledge, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted thereof in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorise and request the Patent Office Officials in the United States and its territorial possessions and any all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right , title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

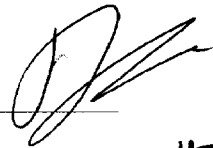
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issue to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States patent and trademark office for recordation of this document.

Date : September 9, 1998

ARDITTI David

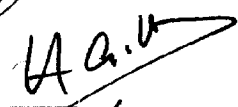
(Signature of Inventor)



Date : September 9, 1998

GILBERT Henri

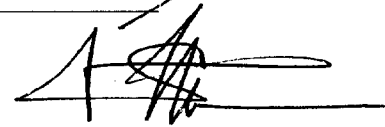
(Signature of Inventor)



Date : September 9, 1998

STERN Jacques

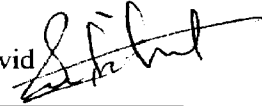
(Signature of Inventor)



Date : September 9, 1998

POINTCHEVAL David

(Signature of Inventor)



Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

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