PATENT ASSIGNMENT

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
France Telecom SA	12/17/2008

RECEIVING PARTY DATA

Name:	Phentam Dire NV, LLC
Street Address:	160 Greentree Drive, Suite 101
City:	Dover
State/Country:	DELAWARE
Postal Code:	19904

PROPERTY NUMBERS Total: 6

Property Type	Number
Patent Number:	7386122
Patent Number:	7266197
Patent Number:	7080254
Application Number:	10471884
Application Number:	12178365
Application Number:	10587460

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	120427 PHENTAM ASSN 1

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NAME OF SUBMITTER:	Al AuYeung

Total Attachments: 7
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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, France Telecom SA, a French corporation, with an office at 38/40 Rue du Général Leclerc, 92794 Issy les Moulineaux Cedex 9, France (*"Assignor"*), does hereby sell, assign, transfer, and convey unto Phentam Dire NV, LLC, a Delaware limited liability company, with an address at 160 Greentree Drive, Suite 101,Dover, DC 19904 (*"Assignee"*), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the *"Patent Rights"*):

(a)   the provisional patent applications, patent applications and patents listed in the table below (the *"Patents"*);

(b)   all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c)   all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d)   all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e)   all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f)   inventions, invention disclosures, and discoveries described in any of the Patents to the extent that any such inventions, invention disclosures, and discoveries (i) are included in any claim in the Patents, (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceedings brought on any of the Patents, or (iii) could have been included as a claim in any of the Patent;

(g)   all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(h)   all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

(i)   damages,
(ii)   injunctive relief, and
(iii)   any other remedies of any kind

for past, current, and future infringement; and

(i)   all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
7386122 (09/889918)	US	6/10/2008 (1/27/2000)	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Guillou, Louis; Quisquater, Jean-Jacques
AU20000022986	AU	1/27/2000	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Guillou, Louis; Quisquater, Jean-Jacques
KR10-0676460 (KR10-2001-7009491)	KR	1/24/2007 (1/27/2000)	Method, system, device for proving the authenticity of an entity and/or the integrity and/or the authenticity of a message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques
2360954 (CA20002360954)	CA	(1/27/2000)	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Guillou, Louis; Quisquater, Jean-Jacques
CN20008004718	CN	1/27/2000	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Guillou, Louis; Quisquater, Jean-Jacques
EP20000901658	EP	1/27/2000	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Guillou, Louis; Quisquater, Jean-Jacques
JP20000596696	JP	1/27/2000	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Inventorship not available
7266197 (09/869966)	US	9/4/2007 (1/27/2000)	Method, system, device for proving the authenticity of an entity and/or the integrity and/or the authenticity of a message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques

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AU20000022985	AU	1/27/2000	Method, system device for proving the authenticity of an entity and/or the integrity and/or the authenticity of message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques
KR10-0676461 (KR10-2001-7009493)	KR	1/24/2007 (1/27/2000)	Method, system, device for proving the authenticity of an entity and/or the integrity and/or the authenticity of a message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques
2360887 (CA20002360887)	CA	(1/27/2000)	Method, system, device for proving the authenticity of an entity and/or the integrity and/or the authenticity of a message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques
CN20008003197	CN	1/27/2000	Method, system, device for proving the authenticity of an entity and/or the integrity and/or the authenticity of a message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques
EP20000901657	EP	1/27/2000	Method, system, device for proving the authenticity of an entity and/or the integrity and/or the authenticity of a message using specific prime factors Guillou, Louis; Quisquater, Jean-Jacques
JP20000597915	JP	1/27/2000	Method for proving the authenticity or integrity of a message by means of a public exponent equal to the power of two Inventorship not available
7080254 (10/089662)	US	7/18/2006 (9/29/2000)	Method, system, device for proving authenticity of an entity or integrity of a message Guillou, Louis; Quisquater, Jean-Jacques
AU20000076700	AU	9/29/2000	Method, system, device for proving authenticity of an entity or integrity of a message Guillou, Louis; Quisquater, Jean-Jacques
KR10-0844546 (KR10-2002-7004209)	KR	7/1/2008 (09/29/2000)	Method, system, device for proving authenticity of an entity or integrity of a message Guillou, Louis; Quisquater, Jean-Jacques
2386748 (CA20002386748)	CA	(9/29/2000)	Method, system, device for proving authenticity of an entity or integrity of a message Guillou, Louis; Quisquater, Jean-Jacques
CN20008017730	CN	9/29/2000	Method, system, device for proving authenticity of an entity or integrity of a message Guillou, Louis; Quisquater, Jean-Jacques

EP20000966248	EP	9/29/2000	Method, system, device for proving authenticity of an entity or integrity of a message Guillou, Louis; Quisquater, Jean-Jacques
JP20070258101	JP	10/1/2007	Method, system and device for proving authenticity of entity and/or integrity and/or authenticity of message Guillou, Louis; Quisquater, Jean-Jacques
7184547 (09/889557)	US	2/27/2007 (1/26/2000)	Authenticating or signature method with reduced computations Girault, Marc; Pailles, Jean-Claude
FR19990000887	FR	1/27/1999	Electronic cash card authentication process having public/secret key authenticating unit passed and having modulo number relationship authentication without needing knowledge transfer. Girault, Marc; Pailles, Jean-Claude
CA20002360953	CA	1/26/2000	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
DE20006000649	DE	1/26/2000	Electronic cash card authentication process having public/secret key authenticating unit passed and having modulo number relationship authentication without needing knowledge transfer. Girault, Marc; Pailles, Jean-Claude
AT1145483 (AT20000900666)	AT	(1/26/2000)	Electronic cash card authentication process having public/secret key authenticating unit passed and having modulo number relationship authentication without needing knowledge transfer. Girault, Marc; Pailles, Jean-Claude
BE1145483 (EP20000900666)	BE	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
CH1145483 (EP20000900666)	CH	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
ES1145483 (EP20000900666)	ES	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
FR1145483 (EP20000900666)	FR	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
GB1145483 (EP20000900666)	GB	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude

LI1145483 (EP20000900666)	LI	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
NL1145483 (EP20000900666)	NL	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
SE1145483 (EP20000900666)	SE	(1/26/2000)	AUTHENTICATING OR SIGNATURE METHOD WITH REDUCED COMPUTATIONS Girault, Marc; Pailles, Jean-Claude
JP20000596695	JP	1/26/2000	Electronic cash card authentication process having public/secret key authenticating unit passed and having modulo number relationship authentication without needing knowledge transfer. Inventorship not available
10/471884	US	3/8/2004	Cryptographic authentication with ephemeral modules Louis Guillou
12/178,365	US	7/23/2008	Cryptographic authentication with ephemeral modules Louis Guillou
AU20020246210	AU	3/12/2003	Cryptographic authentication with ephemeral modules Louis Guillou
CA20022440546	CA	3/12/2002	Cryptographic authentication with ephemeral modules Louis Guillou
CN20028008251	CN	3/12/2002	Cryptographic authentication with ephemeral modules Louis Guillou
EP20020714294	EP	3/12/2002	Cryptographic authentication with ephemeral modules Louis Guillou
FR20010003313	FR	3/12/2001	Cryptographic authentication with ephemeral modules Louis Guillou
KR10-2003-7011877	KR	3/12/2002	Cryptographic authentication with ephemeral modules Louis Guillou
SG99998 (SG200304780-0)	SG	12/30/2004 (3/12/2002)	Cryptographic authentication with ephemeral modules Louis Guillou
HK04104189.9	HK	3/12/2002	Cryptographic authentication with ephemeral modules Louis Guillou
10/587460	US	7/24/2006	Zero-knowledge proof cryptography methods and devices Inventors: Louis Guillou; Jean-Jacques Quisquater
AU20050215752	AU	1/24/2005	Zero-knowledge proof cryptography methods and devices Inventors: Louis Guillou; Jean-Jacques Quisquater

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CA20052553176	CA	1/24/2005	Zero-knowledge proof cryptography methods and devices Inventors: Louis Guillou; Jean-Jacques Quisquater
CN20058003065	CN	1/24/2005	Zero-knowledge proof cryptography methods and devices Inventors: Louis Guillou; Jean-Jacques Quisquater
EP20050717482	EP	1/24/2005	Zero-knowledge proof cryptography methods and devices Inventors: Louis Guillou; Jean-Jacques Quisquater
KR20067016854	KR	8/22/2006	Zero-knowledge proof cryptography methods and devices Inventors: Louis Guillou; Jean-Jacques Quisquater

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

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The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at _____ _____ on _December 17, 2008_____.

ASSIGNOR:

FRANCE TELECOM SA

By: _____ ~~Thierry BONHOMME~~
Name: _____ ~~Directeur Exécutif~~
Title: _____
(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of _Thierry BONHOMME_ to the above Assignment of Patent Rights on behalf of **FRANCE TELECOM SA** and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. _Thierry BONHOMME_ is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on ~~April~~ _December 17_, 2008 to execute the above Assignment of Patent Rights on behalf of **FRANCE TELECOM SA.**

3. _Thierry BONHOMME_ subscribed to the above Assignment of Patent Rights on behalf of **FRANCE TELECOM SA.**

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on _December 17, 2008_ (date)

Print Name: _François JAMET_

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