

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
France Telecom SA	07/04/2008
RECEIVING PARTY DATA	
Name:	Chartoleaux KG Limited Liability Company
Street Address:	2711 Centerville Rd., Suite 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10412901
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NAME OF SUBMITTER:	Robert J. Irvine III
Total Attachments: 7 source=08-987-AssignmentChartoleaux KG#page1.tif source=08-987-AssignmentChartoleaux KG#page2.tif source=08-987-AssignmentChartoleaux KG#page3.tif source=08-987-AssignmentChartoleaux KG#page4.tif source=08-987-AssignmentChartoleaux KG#page5.tif	

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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 Chartoleaux KG Limited Liability Company, a Delaware limited liability company, with an address at 2711 Centerville Rd, Suite 400, Wilmington, Delaware U.S.A. 19808 ("*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).

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
FR99/10105	FR	7/30/1999	Dual polarisation printed antenna and corresponding array BRACHAT PATRICE
6,281,849 (09/620,299)	US	8/28/2001 (7/20/2000)	Printed bi-polarization antenna and corresponding network of antennas Brachat, Patrice
DE60035003 (DE60035003)	DE	5/30/2007 (7/26/2000)	Dual polarisation printed antenna and corresponding array BRACHAT M PATRICE
GB1073143 (GB00460045.8)	GB	5/30/2007 (7/26/2000)	Dual polarisation printed antenna and corresponding array BRACHAT M PATRICE
FR90/07164 2663138	FR	6/8/1990	Vector processing circuit and method FRANCIS JUTAND; ANNE LAFAGE; EMMANUEL BOUTILLON
5,335,195 (07/709,817)	US	8/2/1994 (6/4/1991)	Method and circuit for processing digital signals representative of vectors or tuples of the same dimension and application thereof to sets having any cardinality and to vectors or tuples of any dimensions Jutand, Francis; Lafage, Anne; Boutillon, Emmanuel
DE69128661 0461030	DE	6/5/1991	Vector processing circuit and method JUTAND FRANCIS; LAFAGE ANNE; BOUTILLON EMMANUEL
GB91401467.5 0461030	GB	6/5/1991	Vector processing circuit and method JUTAND FRANCIS; LAFAGE ANNE; BOUTILLON EMMANUEL
FR93/09645 2708817	FR	7/30/1993	Systems and multiplexers for the allocation of time intervals PIERRE BOYER; OLIVIER DUGEON; MICHEL SERVEL
DE69428843 (DE69428843)	DE	10/31/2001 (7/6/1994)	Systems and multiplexers for the allocation of time intervals BOYER PIERRE; DUGEON OLIVIER; SERVEL MICHEL
GB0637186 (GB94460022.0)	GB	10/31/2001 (7/6/1994)	Systems and multiplexers for the allocation of time intervals BOYER PIERRE; DUGEON OLIVIER; SERVEL MICHEL
IT0637186 (IT94460022.0)	IT	10/31/2001 (7/6/1994)	Systems and multiplexers for the allocation of time intervals BOYER PIERRE; DUGEON OLIVIER; SERVEL MICHEL

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
ES2162851 0637186	ES	7/6/1994	Systems and multiplexers for the allocation of time intervals BOYER PIERRE; DUGEON OLIVIER; SERVEL MICHEL
5,493,567 (08/271,040)	US	2/20/1996 (7/6/1994)	Allocation of time interval systems and multiplexers provided with one of these allocations of time interval systems Boyer, Pierre; Dugeon, Olivier; Servel, Michel
FR94/02870 2717306	FR	3/11/1994	Isolation method for active regions in a semiconductor substrate using shallow trenches, especially not large and corresponding device Paoli, Maryse; Brouquet, Pierre; Haond, Michel
DE69528098 0673061	DE	3/10/1995	Isolation method for active regions in a semiconductor substrate using shallow trenches, especially not large and corresponding device Paoli, Maryse; Brouquet, Pierre; Haond, Michel
GB673061 (GB95400514.6)	GB	9/11/2002 (3/10/1995)	Isolation method for active regions in a semiconductor substrate using shallow trenches, especially not large and corresponding device Paoli, Maryse; Brouquet, Pierre; Haond, Michel
5,641,704 (08/403,143)	US	6/24/1997 (3/13/1995)	Method of isolating active areas of a semiconductor substrate by shallow trenches and narrow trenches Paoli, Maryse; Brouquet, Pierre; Haond, Michel
FR94/02871 2717307	FR	3/11/1994	Isolation process for active zones of a semiconductor substrate using shallow planarised trenches and device comprising such trenches Paoli, Maryse; Brouquet, Pierre; Haond, Michel
DE69528099 60015981 (DE69528099)	DE	9/11/2002 (3/10/1995)	Isolation process for active zones of a semiconductor substrate using shallow planarised trenches and device comprising such trenches Paoli, Maryse; Brouquet, Pierre; Haond, Michel
GB0673062 (GB95400513.8)	GB	9/11/2002 (3/10/1995)	Isolation process for active zones of a semiconductor substrate using shallow planarised trenches and device comprising such trenches Paoli, Maryse; Brouquet, Pierre; Haond, Michel
5,604,149 (08/403,142)	US	2/18/1997 (3/13/1995)	Method of and device for isolating active areas of a semiconductor substrate by quasi-plane shallow trenches Paoli, Maryse; Brouquet, Pierre; Haond, Michel
FR95/03292 2732177	FR	3/21/1995	Method for administering an optical ring with wavelength multiplexing CHAWKI MOUHAMMAD JAMIL; LE

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
5,745,269 (08/611,646)	US	4/28/1998 (3/6/1996)	GAC IVAN; THOLEY VALERIE Method for the management of wavelength-division-multiplexed optical loops Chawki, Mouhammad Jamil; Le Gac, Ivan; Tholey, Valerie
DE69600033 0734131 (DE69600033)	DE	7/9/1997 (3/19/1996)	Method for administrating an optical ring with wavelength multiplexing CHAWKI MOUHAMMAD JAMIL; LE GAC IVAN; THOLEY VALERIE
GB0734131 (GB96400575.5)	GB	7/9/1997 (3/19/1996)	Method for administrating an optical ring with wavelength multiplexing CHAWKI MOUHAMMAD JAMIL; LE GAC IVAN; THOLEY VALERIE
FR96/16106 2758003	FR	12/27/1996	Anti-reflective treatment of reflecting surfaces FRANCOU JEAN MARC; HALIMAOU AOMAR; SCHILTZ ANDRE
EP97403107.2 0851464	EP	12/22/1997	Anti-reflective treatment of reflecting surfaces FRANCOU JEAN-MARC; HALIMAOU AOMAR; SCHILTZ ANDRE
6,177,235 (08/996,684)	US	1/23/2001 (12/23/1997)	Antireflection treatment of reflective surfaces Francou, Jean Marc; Hallmaoui, Aomar; Schiltz, Andre
DE60300907	DE	4/9/2003	Method and system for resource allocation in real-time between several entities DELEND AARNAUD
ES03007941.2 1355233	ES	4/9/2003	Method and system for resource allocation in real-time between several entities DELEND AARNAUD
FR03007941.2 1355233	FR	4/9/2003	Method and system for resource allocation in real-time between several entities DELEND AARNAUD
GB1355233 (GB03007941.2)	GB	6/29/2005 (4/9/2003)	Method and system for resource allocation in real-time between several entities DELEND AARNAUD
IT1355233 (IT03007941.2)	IT	6/29/2005 (4/9/2003)	Method and system for resource allocation in real-time between several entities DELEND AARNAUD
ES2244849 (ES2244849)	ES	6/29/2005 (4/9/2003)	Method and system for resource allocation in real-time between several entities DELEND AARNAUD
10/412,901	US	4/14/2003	Method and system for real-time allocation of a resource among several entities Arnaud Delenda
EP03292111.6	EP	8/27/2003	Method of allocating a resource among a plurality of users in real time using an auction mechanism

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			DELEND A ARNAUD
FR93/00363 2700651	FR	1/15/1993	Videophone method and terminal allowing Intercepting and occasional calling by a telephone apparatus DECAESTEKE PHILIPPE; MARCZAK JEAN-MARC; GUICHARD JACQUES
GB0608170 (GB94400101.5)	GB	3/17/1999 (1/14/1994)	Videophone method allowing Intercepting and occasional calling by a telephone apparatus DECAESTEKE PHILIPPE; MARCZAK JEAN-MARC; GUICHARD JACQUES
DE0608170 (DE69417079)	DE	3/17/1999 (1/14/1994)	Videophone method allowing Intercepting and occasional calling by a telephone apparatus DECAESTEKE PHILIPPE; MARCZAK JEAN-MARC; GUICHARD JACQUES
SE0608170 (SE94400101.5)	SE	3/17/1999 (1/14/1994)	Videophone method allowing Intercepting and occasional calling by a telephone apparatus DECAESTEKE PHILIPPE; MARCZAK JEAN-MARC; GUICHARD JACQUES
5,448,286 (08/184,190)	US	9/5/1995 (1/18/1994)	Process and terminal for video telephony permitting acceptance, and possibly calling, by a telephone set Decaesteke, Philippe; Marczak, Jean- Marc; Guichard, Jacques

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.

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 Issy les Moulineaux on July 4, 2008.

ASSIGNOR:

FRANCE TELECOM SA


THIERRY BONHOMME
Directeur Exécutif

By: _____

Name: _____

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:

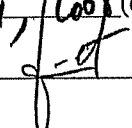
1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. Thierry Bonhomme is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on July 4, 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 July 4, 2008 (date)


Print Name: François Jamet

ACKNOWLEDGED AND ACCEPTED ON 10 July 2009

By: Chartoleaux KG Limited Liability Company

Signature Pat Mathews

Name: Pat Mathews

Title: Authorized Person for Chartoleaux KG Limited Liability Company

PATENT

REEL: 022965 FRAME: 0850

STATE OF Washington

COUNTY OF King

On this 10 day of July, in the year 2009, before me
, Randi Chapman Notary Public in and for said State, personally
appeared Pat Matthews personally known to me (or proved
on the basis of satisfactory evidence) to be the person(s) whose name(s) (is/are) subscribed to this
instrument, and acknowledged (he/she/they) executed the same in his/her/their authorized capacity.

WITNESS my hand and official seal.

Signature Randi Chapman

NOTARY PUBLIC SEAL

