

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Isabelle Siaud	04/06/2009
Anne-Marie Ulmer-Moll	04/06/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	France Telecom
<b>Street Address:</b>	6, place d'Alleray
<b>City:</b>	Paris
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	75015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12087298
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<b>NAME OF SUBMITTER:</b>	/Thomas Langer/
<b>Total Attachments: 2</b> source=20090716122111#page1.tif source=20090716122111#page2.tif	

CH \$40.00 12087298

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**PATENT**  
**REEL: 022964 FRAME: 0150**

## ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned, **Isabelle SIAUD, Anne-Marie ULMER-MOLL** (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to **France Telecom** (hereinafter referred to as "ASSIGNEE"), a corporation of France, having a place of business at 6, place d'Alleray, 75015 Paris, France, respectively, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent Serial No. 12/087,298 which is entitled

### **A METHOD AND A DEVICE FOR DYNAMICALLY SELECTING ORTHOGONAL FUNCTIONS OF AN ORTHOGONAL TRANSMISSION SYSTEM**

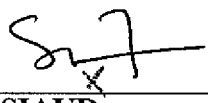
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

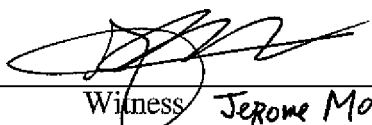
Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee,

its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

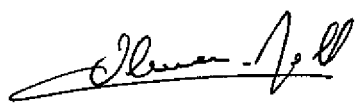
Date: 04/06/2009  
month/day/year


  
Isabelle SIAUD

  
Witness Jerone MONTANT

Witness

Date: 04/06/2009  
month/day/year

  
Anne-Marie ULMER-MOLL

  
Witness E. LEGARS

Witness

Note: Signature of a witness is preferable, but not required.