

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Vincent Le Nir</td><td>08/25/2006</td></tr><tr><td>Maryline Helard</td><td>08/21/2006</td></tr></tbody></table> | | Name | Execution Date | Vincent Le Nir | 08/25/2006 | Maryline Helard | 08/21/2006 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Vincent Le Nir | 08/25/2006 | | | | | | | | | | |
| Maryline Helard | 08/21/2006 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>France Telecom</td></tr><tr><td>Street Address:</td><td>6, Place d'Alleray</td></tr><tr><td>City:</td><td>Paris</td></tr><tr><td>State/Country:</td><td>FRANCE</td></tr><tr><td>Postal Code:</td><td>75015</td></tr></table> | | Name: | France Telecom | Street Address: | 6, Place d'Alleray | City: | Paris | State/Country: | FRANCE | Postal Code: | 75015 |
| Name: | France Telecom | | | | | | | | | | |
| Street Address: | 6, Place d'Alleray | | | | | | | | | | |
| City: | Paris | | | | | | | | | | |
| State/Country: | FRANCE | | | | | | | | | | |
| Postal Code: | 75015 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10581236</td></tr></tbody></table> | | Property Type | Number | Application Number: | 10581236 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 10581236 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: (612)334-3312 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: 612-334-3222 | | | | | | | | | | | |
| Email: abement@wck.com | | | | | | | | | | | |
| Correspondent Name: Westman, Champlin & Kelly | | | | | | | | | | | |
| Address Line 1: 900 Second Avenue South | | | | | | | | | | | |
| Address Line 2: Suite 1400 | | | | | | | | | | | |
| Address Line 4: Minneapolis, MINNESOTA 55402 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | F40.12-0041 | | | | | | | | | | |
| NAME OF SUBMITTER: | David D. Brush | | | | | | | | | | |
| Total Attachments: 2 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif | | | | | | | | | | | |

OP \$40.00 10581236

PATENT

500533842

REEL: 020916 FRAME: 0027

ASSIGNMENT

Attorney Docket No.

F40.12-0041

WHEREAS, We, Vincent Le Nir of Rennes, France, and Maryline Helard of Rennes, France (hereinafter referred to as ASSIGNOR), are the inventors of an invention described in an application for Letters Patent of the United States entitled METHOD FOR THE MULTI-ANTENNA TRANSMISSION OF A LINEARLY-PRERCODED SIGNAL, CORRESPONDING DEVICES, SIGNAL AND RECEPTION METHOD for Letters Patent filed pursuant to the Patent Cooperation Treaty and designating of the United States, the international application being identifiable in the Receiving Office by Application No. PCT/FR2004/003107, filed December 2, 2004 and/or the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 10/581,236, filed June 2, 2006; and

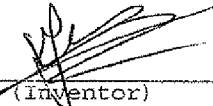
WHEREAS, FRANCE TELECOM, a company and existing under the laws of FRANCE, and having offices at 6, Place d'Alleray 75015 Paris, France ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, to be obtained therefor in the United States;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

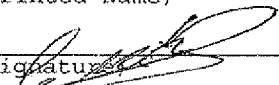


Vincent Le Nir (Inventor)

Date: 25/08/2006

LE NIR Daniel

(Witness Printed Name)



(Witness Signature)

16 rue Henri Lafont

(Witness Address)

68000 Plers France

PATENT

REEL: 020916 FRAME: 0028

Helard
Maryline Helard (Inventor)

Date: 21 aout 2006.

Thierry JOURNE
(Witness Printed Name)

T. Journe
(Witness Signature)

28 rue Jacques Cartier - 35830 BETTON - FRANCE
(Witness Address)