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TRANSMI

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ATION

Atty. Docket: 1807.0906

To the Commissioner of Patents and

ginal documents or copy thereof.

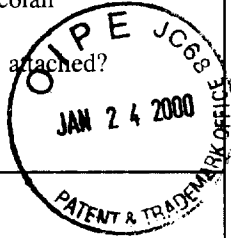
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1. Name of conveying party(ies):

1) Samuel Rousselin, 2) François Thoumy, 3) Frédérique Ehrmann, 4) Phillipe Le Bars & 5) Lionel Le Scolan

Additional name(s) of conveying party(ies) attached?

Yes  No



2. Name and address of receiving party(ies):

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku

Tokyo, Japan

Domestic Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

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

3. Nature of conveyance:

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

Execution Date: December 21, 1999 (1-5)

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 Number: 09/450,716

Filing Date: November 30, 1999

B. Title of Invention:

DEVICE AND METHOD FOR THE DYNAMIC ALLOCATION OF FREQUENCIES FOR MULTICARRIER MODULATION SYSTEMS

Additional numbers attached?  Yes  No

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

Name: Fitzpatrick, Cella, Harper & Scinto

30 Rockefeller Plaza

New York, New York 10112-3801

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

One

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

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

06-1205

(Attach duplicate copy of this page if paying by deposit account):

02/11/2000 DNGUYEN 00000107 09450716

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.*

Lawrence A. Stahl-Reg. No. 30,110

Name of Person Signing

Signature

January 24, 2000

Date

Total number of pages including cover sheet, attachments, and documents: 2

**ASSIGNMENT**

FOR VALUE RECEIVED, WE **François THOUMY**  
**Philippe LE BARS**  
**Samuel ROUSSELIN**  
**Lionel LE SCOLAN**  
**Frédérique EHRMANN**

Citizens of **French**

Residing, respectively, at **6 impasse du Lieu Verrier, 35250 CHEVAIGNE, France.**  
**La Grée d'Epron, EPRON, 35410 NOUVOITOU, France.**  
**37, rue Saint Héliier, 35000 RENNES, France.**  
**3 square Roland Garros, 35000 RENNES, France.**  
**37, rue P.V. Varin de la Brunelière, 35000 RENNES, France.**

hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**

a corporation of **JAPAN**

having a place of business at **30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JAPON**

its successors, assigns and legal representatives (hereinafter called the «Assignee»), the entire right, title and interest, for the United States, in and to certain inventions relating to **Device and method for the dynamic allocation of frequencies for multicarrier modulation systems.**

and described in an application for Letters Patent of the United States filed on **November 30, 1999** under N° **09/450716.**

And in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Assistant Commissioner of Patents of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal this **21** day of **December, 1999**

Witness :

*Patricia LEMARCHAND*

Assignors :

*Samuel ROUSSELIN*

*François THOUMY*

*Frédérique EHRMANN*

*Philippe LE BARS*

*LE SCOLAN Lionel*