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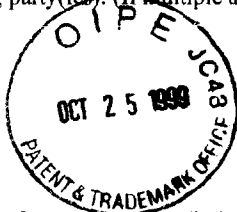
map 10/27/99

TO THE ASSISTANT COMMISSIONER FOR PATENTS

uments or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

Jan Mennekens
Carl Mertens
Lleven Philips
Jurgen Vandermot
Jan Vanhoof



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

() Yes (X) No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- September 9, 1999
- September 14, 1999
- August 30, 1999
- August 30, 1999
- August 30, 1999

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

Name: John M. Carson
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: VANMA84.001AUS

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

Name: Sirius Communications N.V.
Internal Address:
Street Address: Wingepart 51
B-3110 Rotselsar , Belgium

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

() Yes (X) No

4. Application number(s) or Patent number(s):

- Application(s) filed herewith Execution Date(s):
- Patent Application No.: 09/306,589
Filing Date: May 6, 1999
- Patent No.:
- Issue Date:

Additional numbers attached? () Yes (X) No

7. Total fee (37 CFR 3.41): \$40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

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

John M. Carson
Name of Person Signing

Signature

Date

10/19/99

34,303
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

10/27/1999 DNGUYEN 00000109 09306589

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Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

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PATENT

ASSIGNMENT

WHEREAS, WE (1) Jan Mennekens, a Belgian citizen, residing at Lage Kaart 162, B-2930 Brasschaat, Belgium (2) Carl Mertens, a Belgian citizen, residing at Het Venneke 2, B-2930 Brasschaat, Belgium (3) Lieven Philips, a Belgian citizen, residing at Kleine Kruisweg 9A, B-3201 Aarschot, Belgium (4) Jurgen Vandermot, a Belgian citizen, residing at Diestsestraat 250 B3, B-3000, Lueven, Belgium, (5) Jan Vanhoof, a Belgian citizen, residing at Wijgmaalbroeck 59, B-3018 Wijgmaal, Belgium hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in METHOD AND APPARATUS FOR CODE DIVISION MULTIPLE ACCESS COMMUNICATION WITH INCREASED CAPACITY THROUGH SELF-NOISE REDUCTION the specification of which:

- (a) was executed on even date herewith;
- (b) was filed on May 6, 1999 as Application No. 09/306,589 or Express Mail No., as Application No. not yet known _____ and was amended on _____ (if applicable); or
- (c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, SIRIUS COMMUNICATIONS N.V., with its principal place of business at Wingepark 51, B-3110 Rotselaar, Belgium, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 9 day of sept, 1999

[Signature]
Signature of Jan Mennekens

[Signature]
Witness


This 14 day of Sept, 1999

[Signature]
Signature of Carl Mertens

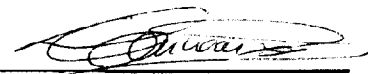
[Signature]
Witness

VANMA84.001AUS

This 30 day of August, 1999


Signature of Lieven Philips

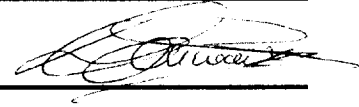
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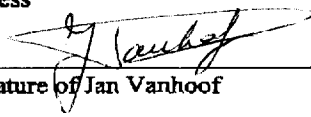
This 30 day of August, 1999


Signature of Jurgen Vandermet

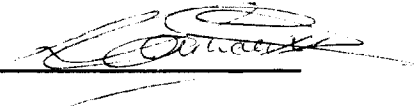
Witness



This 30 day of August, 1999


Signature of Jan Vanhoof

Witness



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