

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Philippe Le Bars</td> <td>09/11/2012</td> </tr> <tr> <td>Alain Caillerie</td> <td>09/11/2012</td> </tr> <tr> <td>Mounir Achir</td> <td>09/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Philippe Le Bars	09/11/2012	Alain Caillerie	09/11/2012	Mounir Achir	09/11/2012
Name	Execution Date								
Philippe Le Bars	09/11/2012								
Alain Caillerie	09/11/2012								
Mounir Achir	09/11/2012								
RECEIVING PARTY DATA									
Name:	Canon Kabushiki Kaisha								
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City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	146-8501								
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>13517223</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13517223				
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Application Number:	13517223								
CORRESPONDENCE DATA									
Fax Number:	9499323560								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Colette Angle								
Total Attachments: 1 source=B100464USA_Assignment#page1.tif									

CH \$40.00 13517223

## ASSIGNMENT

FOR VALUE RECEIVED, I

- 1 - Philippe LE BARS
- 2 - Alain CAILLERIE
- 3 - Mounir ACHIR

Citizen(s) of

- 1 - France
- 2 - France
- 3 - Algeria

Residing at

- 1 - 12, rue du Manoir, 35235 THORIGNE FOUILLARD, France
- 2 - 6, rue François Menez, 35700 RENNES, France
- 3 - Appartement B506, 7, Boulevard de Strasbourg, 35000 RENNES, France

hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA** a corporation of **JAPAN** having a place of business at **3-30-2, Shimomaruko, 3-chome, Ohta-ku, TOKYO, Japan**

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

*A method and a system for configuring a beam forming antenna in a communication network*

and described in an application for Letters Patent of the United States filed on **June 19, 2012** under No. **13/517,223**

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 I 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 I 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 me.

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

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me pertaining to me 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, I hereunto set my hand and seal this 11<sup>th</sup> day of September, 2012

Witness :

Assignors :

Philippe LE BARS

Philippe A. LE BARS

Alain CAILLERIE

Alain CAILLERIE

Mounir ACHIR

Mounir ACHIR

Patricia LE MARCHAND

PATENT

RECORDED: 09/21/2012

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