

TYPE 30

10-15-2002

Atty Docket No.: 225159US2/dlb



FORM PTO-1595  
1-31-92

7/5/02

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11040 U.S. PTO  
10/189003  
07/05/02

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: June 18, 2002  
  
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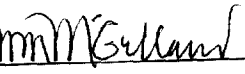
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**PATENT**  
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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Loic BRUNEL

hereby sells, assigns and transfers to

MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY CENTRE EUROPE B.V.  
of 80, avenue des Buttes de Coesmes, 35700 Rennes, FRANCE

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

(i) the application for United States Letters Patent entitled MULTI-USER DETECTION IN AN MC-CDMA TELECOMMUNICATION SYSTEM

which was executed by the undersigned on the date indicated below  
or was filed on \_\_\_\_\_ and accorded Serial No. \_\_\_\_\_  
(hereinafter called the Application);


- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S):

(Loic BRUNEL) X 

DATE

June 18, 2002

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PATENT