

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Pascal Buttin</td><td>09/04/2006</td></tr><tr><td>Gilles Caradec</td><td>09/04/2006</td></tr></tbody></table>	Name	Execution Date	Pascal Buttin	09/04/2006	Gilles Caradec	09/04/2006					
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Pascal Buttin	09/04/2006										
Gilles Caradec	09/04/2006										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Sercel</td></tr><tr><td>Street Address:</td><td>16, rue de Bel Air</td></tr><tr><td>City:</td><td>Carquefou</td></tr><tr><td>State/Country:</td><td>FRANCE</td></tr><tr><td>Postal Code:</td><td>44470</td></tr></table>	Name:	Sercel	Street Address:	16, rue de Bel Air	City:	Carquefou	State/Country:	FRANCE	Postal Code:	44470	
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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>10599023</td></tr></tbody></table>	Property Type	Number	Application Number:	10599023							
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Application Number:	10599023										
CORRESPONDENCE DATA											
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Total Attachments: 1 source=Assignment-316971#page1.tif											

CH 10599023 \$40.00

500314734

PATENT  
REEL: 019558 FRAME: 0719

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$ 1.00) and other good and valuable consideration paid to each of the undersigned, to wit:

- 1/ Pascal BUTTIN  
2/ Gilles CARADEC

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the behest of, hereby sell(s), assign(s) and transfer(s) unto,

**SERCEL**

16, rue de Bel Air

44470 CARQUEFOU - FRANCE

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention known as

**DEVICE FOR EMITTING SEISMIC VIBRATION WAVES**

For which an application for Letters Patent of the United States of America:

(a) has been executed by the undersigned on

(b) has been filed on  
and assigned Serial No.

and the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademark to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to transfer a like interest, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any and all divisions, continuations, substitutes, and reissues thereof; and to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE's full protection and title in and to the invention hereby transferred.

Signed on the date(s) indicated beside my/our signature(s)

**INVENTOR(S)**

concurrently with application

**DATE SIGNED**

**WITNESS(ES)**

M. GOURION  
7/03/06

Pascal BUTTIN

04/09/06

*[Signature]*

Gilles CARADEC

04/09/06

*[Signature]*

*[Signature]*

**PATENT**