

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

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| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT                             |
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                                 |
| <b>CONVEYING PARTY DATA</b>  |  |
| <b>Name</b>  | <b>Execution Date</b>                      |
| Kofi Afolabi Anthony MAKINWA   | 09/10/2010                                 |
| Caspar Petrus Laurentius van VROONHOVEN  | 09/10/2010                                 |
| <b>RECEIVING PARTY DATA</b>  |  |
| <b>Name:</b>   | Stichting voor de Technische Wetenschappen |
| <b>Street Address:</b>   | Van Vollenhovenlaan 661                    |
| <b>City:</b>   | Utrecht                                    |
| <b>State/Country:</b>  | NETHERLANDS                                |
| <b>Postal Code:</b>  | NL-3527 JP                                 |
| <b>PROPERTY NUMBERS Total: 1</b>   |  |
| <b>Property Type</b>   | <b>Number</b>                              |
| <b>Application Number:</b>   | 12865750                                   |
| <b>CORRESPONDENCE DATA</b>   |  |
| <b>Fax Number:</b>   | (703)685-0573                              |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |  |
| <b>Phone:</b>  | 703-521-2297                               |
| <b>Email:</b>  | jallen@young-thompson.com                  |
| <b>Correspondent Name:</b>   | Young & Thompson                           |
| <b>Address Line 1:</b>   | 209 Madison Street                         |
| <b>Address Line 2:</b>   | Suite 500                                  |
| <b>Address Line 4:</b>   | Alexandria, VIRGINIA 22314                 |
| <b>ATTORNEY DOCKET NUMBER:</b>   | 2001-1825                                  |
| <b>NAME OF SUBMITTER:</b>  | Benoit Castel                              |
| <b>Total Attachments: 2</b><br>source=ASSN#page1.tif<br>source=ASSN#page2.tif        |  |

OP \$40.00 12865750

SOLE/JOINT INVENTION  
(U.S. Rights only)

## ASSIGNMENT

WHEREAS, I/WE:

**Makinwa, Kofi Afolabi Anthony**  
a citizen of  
the Netherlands

residing at  
Guineelaan 1  
NL- 2622 DD Delft  
the Netherlands

**van Vroonhoven, Caspar Petrus Laurentius**  
a citizen of  
the Netherlands

residing at  
Bagijnhof 122a  
NL- 2611 AS Delft  
the Netherlands

as assignor(s), have made an invention entitled:

### **Synchronous Phase Detection Circuit**

for which I/we have:

- (a) filed an application for United States Letters Patent  
on August 2, 2010  
(Serial No. 12/865,750)
- (b) executed an application for United States Letters  
Patent on  
and  
respectively; and

national phase of international application PCT/NL2009/050043

WHEREAS, **Stichting voor de Technische Wetenschappen**  
a corporation of The Netherlands  
whose post office address is:

Van Vollenhovenlaan 661  
NL- 3527 JP Utrecht  
the Netherlands

as assignee, is desirous of securing the entire right, title, and interest in and to the application for  
United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/we, as  
assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire  
right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be  
granted thereon, and all reissues thereof, and I/we hereby authorize and request the Commissioner of Patents of the United States to issue all Letters Patent for this invention  
to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/we will, without further consideration, communicate with assignee, its successors and  
assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all  
papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue  
applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this  
invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s).

Witness:

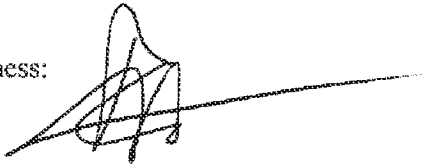
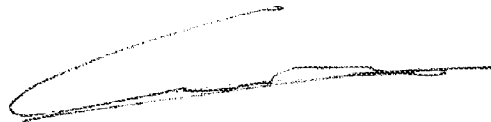
A large, stylized handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

(Makinwa, Kofi Afolabi Anthony )  
(Signature of first or sole assignor)

Date September 10, 2010

A handwritten signature in black ink, appearing as a series of connected loops and a long horizontal stroke.

Witness:

A handwritten signature in black ink, similar in style to the one above, with a long horizontal stroke.A handwritten signature in black ink, similar in style to the one above, with a long horizontal stroke.

(van Vroonhoven, Caspar Petrus Laurentius )  
(Signature of second assignor)

Date September 10, 2010