

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>John Thomas Contreras</td> <td>10/30/2012</td> </tr> <tr> <td>Samir Y. Garzon</td> <td>10/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	John Thomas Contreras	10/30/2012	Samir Y. Garzon	10/22/2012				
Name	Execution Date										
John Thomas Contreras	10/30/2012										
Samir Y. Garzon	10/22/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>HGST Netherlands B.V.</td> </tr> <tr> <td>Street Address:</td> <td>Herikerbergweg 238, Luna Arena</td> </tr> <tr> <td>City:</td> <td>Amsterdam</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>1101 CM</td> </tr> </table>		Name:	HGST Netherlands B.V.	Street Address:	Herikerbergweg 238, Luna Arena	City:	Amsterdam	State/Country:	NETHERLANDS	Postal Code:	1101 CM
Name:	HGST Netherlands B.V.										
Street Address:	Herikerbergweg 238, Luna Arena										
City:	Amsterdam										
State/Country:	NETHERLANDS										
Postal Code:	1101 CM										
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>13666966</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13666966						
Property Type	Number										
Application Number:	13666966										
CORRESPONDENCE DATA											
<p>Fax Number: 4087152547  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 209-295-1982        Email: marlinknight@earthlink.net        Correspondent Name: MARLIN KNIGHT        Address Line 1: P. O. BOX 1320        Address Line 4: PIONEER, CALIFORNIA 95666</p>											
ATTORNEY DOCKET NUMBER:	HSJ920120053US1										
NAME OF SUBMITTER:	Marlin Knight										
<p>Total Attachments: 1        source=Assignment_HSJ920120053US1_signed#page1.tif</p>											

CH \$40.00 13666966

## ASSIGNMENT FOR PATENT APPLICATION


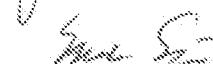
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

### PROGRAMMABLE ANALOG FEED-FORWARD TIMER FOR DYNAMIC WAVE SHAPING

Whereas, **HGST Netherlands B.V.**, having a place of business at Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, The Netherlands (hereinafter referred to as "HGST"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore.

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to HGST, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HGST, its successors and assigns; and we hereby agree that HGST may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HGST.

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

- 1) Signature:  Date: 10/30/12  
Typed Name: John Thomas Contreras
- 2) Signature:  Date: 10/22/12  
Typed Name: Samir Y. Garzon

HSJ920120053US1

RECORDED: 11/02/2012

PATENT  
REEL: 029230 FRAME: 0147