

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Dr. Wei Su	04/20/2007
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11789130
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Total Attachments: 1 source=Assignment#page1.tif	

CH \$40.00 11789130

**ASSIGNMENT OF INVENTION**

For use of this form, see AR 27-60; the proponent agency is OTJAG

**METHOD OF AUTOMATED DEMODULATION AND CLASSIFICATION OF PHASE-**Title of Invention: **SHIFT-KEYING SIGNALS USING HYSTERETIC DIFFERENTIAL ZERO-CROSSING TIME SAMPLES**Inventor(s) Wei Su

\*Application Serial No.: \_\_\_\_\_

\*Date Oath Executed: 23 April 2007\*Filing Date: 27 April 2007

(\*Data not known at execution may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Wei Su

(First name)

(Middle Initial)

(Last name)

U.S. Army RDECOM CERDEC I2WD

Duty Address: Fort Monmouth Monmouth County New Jersey 07703-5010

(Locality)

(County)

(State)

Date: 4/20/2007Typed Name of Inventor: Wei SuState of: NEW JERSEY )

) SS

County of: MONMOUTH )

On the above date Wei Su known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

(Signature of notary public)

**Ursula Buki****Notary Public of New Jersey**My Commission Expires May 16, 2010