

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3939104

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	YUJIE YING	06/24/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CARNEGIE MELLON UNIVERSITY	
<b>Street Address:</b>	5000 FORBES AVE.	
<b>City:</b>	PITTSBURGH	
<b>State/Country:</b>	PENNSYLVANIA	
<b>Postal Code:</b>	15213	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	13787079	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(631)501-3526	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	631-501-5700	
<b>Email:</b>	docket@cdfslaw.com	
<b>Correspondent Name:</b>	CARTER, DELUCA, FARRELL & SCHMIDT, LLP	
<b>Address Line 1:</b>	445 BROAD HOLLOW ROAD	
<b>Address Line 2:</b>	SUITE 420	
<b>Address Line 4:</b>	MELVILLE, NEW YORK 11747	
<b>ATTORNEY DOCKET NUMBER:</b>	1475-26 (IS-2011-081)	
<b>NAME OF SUBMITTER:</b>	GEORGE LIKOUREZOS	
<b>SIGNATURE:</b>	/george likourezos/	
<b>DATE SIGNED:</b>	06/28/2016	
<b>Total Attachments: 2</b>		
source=00930858#page1.tif		
source=00930858#page2.tif		

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventor(s) or ☐ Present Owner

## ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS, hereby sell, assign and transfer to:

ASSIGNEE:

Carnegie Mellon University  
(Type or print name of ASSIGNEE)

5000 Forbes Ave.  
Address

Pittsburgh, PA 15213

US  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

☒ The entire right, title and interest

☐ An undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

in and to any and all improvements which are disclosed in the invention entitled:

### SYSTEM AND METHOD FOR TIME REVERSAL DATA COMMUNICATIONS ON PIPES USING GUIDED ELASTIC WAVES

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith.
- (b) ☐ U.S. patent application executed on \_\_\_\_\_.
- (c) ☒ U.S. application Serial No. 13/787,079 filed on March 6, 2013.
- (d) ☐ U.S. provisional application No. / \_\_\_\_\_  
filed on \_\_\_\_\_.
- (e) ☐ U.S. Patent No. \_\_\_\_\_ issued \_\_\_\_\_.
- (f) ☐ PCT application No. PCT/US \_\_\_\_\_  
filed on \_\_\_\_\_.
- ☐ A change of address to which correspondence is to be sent regarding  
patent maintenance fees is being sent separately.
- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in  
and to, all Letters Patent to be obtained for said invention by the above application or any  
continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent  
any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this \_\_\_\_\_ (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

X Yujie Ying

Name: Yujie Ying

6/24/2016

Dated

X \_\_\_\_\_

Name:

Dated

X \_\_\_\_\_

Name:

Dated

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

Title: \_\_\_\_\_

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

[ ] Notarization or Legalization Page Added.

{00423053 v1}