

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3527178

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TANMAY KUMAR	08/14/2015
LAYNE ARMIJO	09/14/2015
SUNG HYUN JO	08/14/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CROSSBAR, INC.
<b>Street Address:</b>	3200 PATRICK HENRY DRIVE
<b>Internal Address:</b>	SUITE 110
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14214108
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)696-8731
<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>	216-696-8730
<b>Email:</b>	epas@thepatentattorneys.com
<b>Correspondent Name:</b>	AMIN, TUROCY & WATSON, LLP/CROSSBAR
<b>Address Line 1:</b>	127 PUBLIC SQUARE, 57TH FL.
<b>Address Line 4:</b>	CLEVELAND, OHIO 44114
<b>ATTORNEY DOCKET NUMBER:</b>	A936SP-008310US/CROSP125A
<b>NAME OF SUBMITTER:</b>	MATTHEW F. CLAPPER
<b>SIGNATURE:</b>	/Matthew F. Clapper/
<b>DATE SIGNED:</b>	09/15/2015
<b>Total Attachments: 3</b>	
source=A936SP-008310US_Assignment#page1.tif	
source=A936SP-008310US_Assignment#page2.tif	
source=A936SP-008310US_Assignment#page3.tif	

**PATENT ASSIGNMENT**

WE, Tanmay Kumar, Layne Armijo and Sung Hyun Jo ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SOAK TIME PROGRAMMING FOR TWO-TERMINAL MEMORY" ("APPLICATION"), which:

- ☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Amin, Turocy & Watson, LLP, 127 Public Square, 57th Floor, Key Tower, Cleveland, Ohio 44114, who are associated with customer number 23623, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_) this APPLICATION'S U.S. Serial Number and filing date, when known;
- ☒ was filed on 03-14-2014 and was given U.S. Serial No. 14/214,108;
- ☐ is filed concurrently herewith;

Crossbar, Inc., a California Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

08-14-15  
DATE

Tanmay Kumar  
Tanmay Kumar

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Layne Armijo

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Sung Hyun Jo

PATENT ASSIGNMENT

WE, Tanmay Kumar, Layne Armijo and Sung Hyun Jo ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SOAK TIME PROGRAMMING FOR TWO-TERMINAL MEMORY" ("APPLICATION"), which:

- ☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Amin, Turocy & Watson, LLP, 127 Public Square, 57th Floor, Key Tower, Cleveland, Ohio 44114, who are associated with customer number 23623, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_) this APPLICATION'S U.S. Serial Number and filing date, when known;
- ☒ was filed on 03-14-2014 and was given U.S. Serial No. 14/214,108;
- ☐ is filed concurrently herewith;

Crossbar, Inc., a California Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Tanmay Kumar

\_\_\_\_\_  
Layne Armijo

\_\_\_\_\_  
Sung Hyun Jo

**PATENT ASSIGNMENT**

WE, Tanmay Kumar, Layne Armijo and Sung Hyun Jo ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SOAK TIME PROGRAMMING FOR TWO-TERMINAL MEMORY" ("APPLICATION"), which:

- ☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Amin, Turocy & Watson, LLP, 127 Public Square, 57th Floor, Key Tower, Cleveland, Ohio 44114, who are associated with customer number 23623, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_) this APPLICATION'S U.S. Serial Number and filing date, when known;
- ☒ was filed on 03-14-2014 and was given U.S. Serial No. 14/214,108;
- ☐ is filed concurrently herewith;

Crossbar, Inc., a California Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

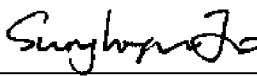
\_\_\_\_\_  
DATE

\_\_\_\_\_  
Tanmay Kumar

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Layne Armijo

08/14/2015  
\_\_\_\_\_  
DATE

  
\_\_\_\_\_  
Sung Hyun Jo