### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN E. LEMONOVICH	04/05/2011
WILLIAM A. SHARP	04/05/2011

#### **RECEIVING PARTY DATA**

Name:	ANSALDO STS USA, INC.
Street Address:	1000 TECHNOLOGY DRIVE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15219-3120

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13079962

## **CORRESPONDENCE DATA**

Fax Number: (412)566-6099

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: KIRK D. HOUSER
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Address Line 2: 44TH FLOOR

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219

ATTORNEY DOCKET NUMBER: 283359-00508

NAME OF SUBMITTER: Kirk D. Houser

Total Attachments: 2

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# ASSIGNMENT

WHEREAS, We, JOHN E. LEMONOVICH; and WILLIAM A. SHARP, residing at 8573 Christine Court, Bridgeville, in the County of Allegheny, Commonwealth of Pennsylvania 15017; and at 196 Village Drive, Cranberry Township, in the County of Butler, Commonwealth of Pennsylvania 16066, respectively, have invented certain new and useful improvements in PROGRAMMABLE LOGIC APPARATUS EMPLOYING SHARED MEMORY, VITAL PROCESSOR AND NON-VITAL COMMUNICATIONS PROCESSOR, AND SYSTEM INCLUDING THE SAME, for which we are about to make application for Letters Patent of the United States;

AND WHEREAS, **ANSALDO STS USA**, **INC.**, a Delaware Corporation, having a place of business at 1000 Technology Drive, Pittsburgh, PA 15219-3120, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to us by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country and the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

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JOHN E. LEMONOVICH  Commonwealth of Pennsylvania : SS: County of Allegheny : SS:  County of Allegheny : SS:  Witness my hand and notarial seal this 5th day of April  COMMONWEALTH OF PENNSYLVANIA   Member 1902   12013   Member 1902   12014   12014   12014    EXECUTED April	EXECUTED April 5th, 2011.
Commonwealth of Pennsylvania : SS:  County of Allegheny ::  Before me, a Notary Public in and for the said County and Commonwealth, personally appeared JOHN E. LEMONOVICH, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.  Witness my hand and notarial seal this 5th day of April , Octary Public (Try of Pithistry), Malpheny County My Commission Expires:  Notary Public (Try of Pithistry), Malpheny County My Commission Expires Nov. 21, 2013.  Member, Pennsylvania Association of Notaries  EXECUTED April , 2011.  EXECUTED April , 2011.  WILLIAM A. SHARP  Commonwealth of Pennsylvania : SS:  County of Allegheny : Sharp April (Try of Pithistry), Pathistry (Try of Pithistry),	an Eanmaich
SS:  Before me, a Notary Public in and for the said County and Commonwealth, personally appeared JOHN E. LEMONOVICH, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.  Witness my hand and notarial seal this 5th day of April  COMMONWEALTH OF PENNSYLVANIA  Notary Public Mayor Kock, Rotary Public City of Pittsburgh, Allegheny County, My Commission Expiress:  (SEAL)  EXECUTED April , 2011.  WILLIAM A. SHARP  Commonwealth of Pennsylvania : SS:  County of Allegheny :  Before me, a Notary Public in and for the said County and Commonwealth, personally appeared WILLIAM A. SHARP, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.  Witness my hand and notarial seal this 5th day of April  COMMONWEALTH OF PENNSYLVANIA  Recorded Seal Mayor & Commonwealth, Personally My Commission Expires  COMMONWEALTH OF PENNSYLVANIA  Recorded Seal Mayor & Commonwealth, Personally My Commission Expires  COMMONWEALTH OF PENNSYLVANIA  Recorded Seal Mayor & Commonwealth, Personally My Commission Expires  Mother Penns-Area of My Public My County My Commission Expires  Mother Penns-Area of My Public My County My Commission Expires  Mother Penns-Area of My Public My County My Commission Expires  Mother Penns-Area of My Public My Public My Public My County My Commission Expires  Mother Penns-Area of My Public My Pub	JOHN E. LEMONOVICH
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COMMONWEALTH OF PENNSYLVANIA  Notary Public  My Commission Expires:  Member, Pennsylvania Association of Notaries  EXECUTED April , 2011.  WILLIAM A. SHARP  Commonwealth of Pennsylvania : SS:  County of Allegheny :  Before me, a Notary Public in and for the said County and Commonwealth, personally appeared WILLIAM A. SHARP, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.  Witness my hand and notarial seal this 5th day of Mary E. Kovic, Notary Public (City of PENNSYLVANIA)  Notarial Seal Mary E. Kovic, Notary Public (City of PENNSYLVANIA)  Notarial Seal Mary E. Kovic, Notary Public (City of PENNSYLVANIA)  Notarial Seal Mary E. Kovic, Notary Public (City of PENNSYLVANIA)  Notarial Seal Mary E. Kovic, Notary Public (City of PENNSYLVANIA)  Notarial Seal Mary E. Kovic, Notary Public (City of PENNSYLVANIA)  Notarial Seal Mary E. Kovic, Notary Public (City of PENNSYLVANIA)	appeared <b>JOHN E. LEMONOVICH</b> , who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.
Notary Public Notary Public My Commission Expires:  Member, Pennsylvania Association of Notaries  EXECUTED April , 2011.  WILLIAM A. SHARP  Commonwealth of Pennsylvania : SS:  County of Allegheny :  Before me, a Notary Public in and for the said County and Commonwealth, personally appeared WILLIAM A. SHARP, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.  Witness my hand and notarial seal this 5th day of April , 2011.  COMMONWEALTH OF PENNSYLVANIA Notarial Seal Mary E. Kork, Notary Public (City of Pittsburgh, Aligheny County My Commission Expires:  Member, Pennsylvania Seal Mary E. Kork, Notary Public (City of Pittsburgh, Aligheny County My Commission Expires Nov. 21, 2013)	2011.
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2011.  Mount Commonwealth OF Pennsylvania  Notary Bublic  My Commission Expires:  COMMONWEALTH OF PENNSYLVANIA  Notarial Seal  Mary E. Kovic, Notary Public  City of Pittsburgh, Allegheny County  My Commission Expires Nov. 21, 2013  Member Pennsylvania Association of Notaries	appeared WILLIAM A. SHARP, who acknowledged that he is the person who executed the
Notarial Seal Mary E. Kovic, Notary Public My Commission Expires:  Notarial Seal Mary E. Kovic, Notary Public City of Pittsburgh, Allegheny County My Commission Expires Nov. 21, 2013  Member Pennsylvania Association of Notaries	Witness my hand and notarial seal this $5^{h}$ day of $April$ 2011.
	Notary Jublic  My Commission Expires:  Notary Fublic  My Commission Expires:  Notarial Seal  Mary E. Kovic, Notary Public  City of Pittsburgh, Allegheny County  My Commission Expires Nov. 21, 2013  Member, Pennsylvania Association of Notaries

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**RECORDED: 04/05/2011**