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Substitute Form PTO-1595
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PATENTS ONLY10978 U.S. PTO
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Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Michael G. Giovinco and Joshua Napoli Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): ACTUALITY SYSTEMS, INC. 315 Main Street Suite 102 Reading, MA 01867 09828770 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: "04/06/01"	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: "04/06/01" A. Patent Application No(s): B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: FAUSTINO A. LICHAUCO Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Faustino A. Lichauco Reg. No. 41,942 Name of Person Signing	 Signature April 9, 2001 Date
Total number of pages including coversheet, attachments and document: 4	

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I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

April 9, 2001
Date of Deposit

Signature

SAMANTHA BELL

Typed Name of Person Signing Certificate

PATENT
REEL: 011716 FRAME: 0649

ASSIGNMENT

For valuable consideration, we, MICHAEL G. GIOVINCO of 12 Ivy Street, Cambridge, MA 02138, and JOSHUA NAPOLI of 816 First Avenue, New Smyrna Beach, FL 32169, hereby assign to Actuality Systems, Inc., a Delaware corporation having a place of business at 315 Main Street, Suite 102, Reading, MA 01867 and its successors (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled LINE DRAWING FOR A VOLUMETRIC DISPLAY, filed _____, and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Reading, MA,
this 6th day of April, 2001

Michael G. Giovinco L.S.
MICHAEL G. GIOVINCO

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 6th day of April, 2001, personally
appeared MICHAEL G. GIOVINCO known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

John P. Smith

Notary Public

My Commission Expires: October 13, 2006

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Reading, MA,
this 6th day of April, 2001
Joshua Napoli L.S.
JOSHUA NAPOLI

State of Massachusetts :
: SS.
County of Middlesex :

Before me this 6th day of April, 2001, personally
appeared JOSHUA NAPOLI known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Robert S. Smith
Notary Public

My Commission Expires: October 13, 2006

[Notary's Seal Here]

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