Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6 06-23-2006



U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

VER SHEET

	_						٧		١,	2
1032	63:	2:	37				. 1		V	
	ĭ 7	<u>, , , , , , , , , , , , , , , , , , , </u>	ú.	•	_	_	N.	L	I	

6	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.						
90	1. Name of conveying party(ies)	2. Name and address of receiving party(ies)					
7	Ed Janesz, Christopher Dudas, Joe McCrone	Name: Action Industries					
19		Internal Address:					
1		3					
9	Additional name(s) of conveying party(ies) attached? Yes ✔ No	Street Address: 12625 Berea Road					
	3. Nature of conveyance/Execution Date(s):	Street Address: 12625 Berea Road					
	Execution Date(s) 06/08/06; 06/08/06; 06/08/06						
	Assignment Merger	29					
	Security Agreement Change of Name	City: Cleveland —					
	Joint Research Agreement	State: Ohio					
	Government Interest Assignment	Country: U.S. Zin: 4444					
	Executive Order 9424, Confirmatory License	Country: U.S. Zip:4411					
	Other	Additional name(s) & address(es) attached? Yes Vo					
	4. Application or patent number(s):	document is being filed together with a new application.					
	A. Patent Application No.(s)	B. Patent No.(s)					
06/21/2006	LWDNDIM1 00000071 29261688						
04 FC:8021	40.00 GP						
1							
	Additional numbers at	gehad? Type This					
	Additional numbers att						
	5. Name and address to whom correspondence	6. Total number of applications and patents					
	5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40					
	5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400 City: Cleveland State: Ohio Zip:44114	6. Total number of applications and patents involved: _1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account I Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400 City: Cleveland State: Ohio Zip:44114 Phone Number: 216-622-8578	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers					
	5. Name and address to whom correspondence concerning document should be mailed: Name:Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400 City: Cleveland State: Ohio Zip:44114 Phone Number: 216-622-8578 Fax Number: 216-241-0816	6. Total number of applications and patents involved: _1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account I Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400 City: Cleveland State: Ohio Zip:44114 Phone Number: 216-622-8578 Fax Number: 216-241-0816 Email Address: pszabo@calfee.com	6. Total number of applications and patents involved:_1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account Finclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 03-0172 Authorized User Name Paul E. Szabo					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400 City: Cleveland State: Ohio Zip:44114 Phone Number: 216-622-8578 Fax Number: 216-241-0816 Email Address: pszabo@calfee.com 9. Signature:	6. Total number of applications and patents involved: _1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account Finclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 03-0172 Authorized User Name Paul E. Szabo					
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul E. Szabo Internal Address: Calfee, Halter & Griswold LLP Street Address: 800 Superior Ave., Ste. 1400 City: Cleveland State: Ohio Zip:44114 Phone Number: 216-622-8578 Fax Number: 216-241-0816 Email Address: pszabo@calfee.com	6. Total number of applications and patents involved:_1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card Authorized to be charged to deposit account Finclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 03-0172 Authorized User Name Paul E. Szabo					

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we, Ed Janesz of 1369 West Melrose Drive, Westlake, Ohio 44145; Christopher Dudas of 4604 Berger Avenue, Cleveland, Ohio 44109; Joe McCrone, 38784 Waverly Drive, Avon, Ohio 44011-4759 hereby assign to Action Industries, an Ohio corporation, having a place of business at 12625 Berea Road, Cleveland, Ohio 44111, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

THRESHOLD

as set forth in the following application: U.S. Patent Application Serial No. , filed (28554/04012), and any and all other applications for Letters Patent on said inventions in the United States and in all countries foreign to the United States, including but not limited to all provisional, non-provisional, divisional, renewal, substitute, continuation, PCT and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers,

{YD1381.DOC;1}

PATENT REEL: 017990 FRAME: 0062 and lawful affidavits in form and in substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and the testify in any proceedings relating to said inventions, patent applications and Letters Patent.

We hereby authorize attorneys for assignees to enter the corresponding serial number and filing date of the afore-referenced patent application prior to recording this assignment, to have the same effect as if entered prior to my signature.

Date: 6/8/06	Examples,
<i></i>	ED JANESZ
State of Ohio)	
	_
County of Cup shaza)	
On this, the 8 day of June	, 2006, personally appeared before
On this, the S day of Starthand	, 2000, personally appeared before
me, ED JANESZ, to me known to be the per	rson named in and who executed the above
instrument, and acknowledged to me that he exe	ecuted the same for the uses and the purposes
therein mentioned.	
SEAL DIANE D. STIEGLER	Acan of Stro-los.
NOTARY PUBLIC, STATE OF OHIO MY COMMISSION EXPIRES 07-15-06	Deane & Steeger Notary Public
* * *	**
	////
1 10101	lastles /da /
Date: 6-18/06	Musignes & Milles
	CHRISTOPMER DUDAS
State of Ohio	
- Carallelana	
County of Cryahaga)	
	2006
	, 2006, personally appeared before
me, CHRISTOPHER DUDAS, to me known to	be the person named in and who executed the
above instrument, and acknowledged to me that	it he executed the same for the uses and the
purposes therein mentioned.	a d
CEAL DIANED CTECLED	Diane D. Streeter
SEAL DIANE D. STIEGLER NOTARY PUBLIC, STATE OF OHIO	Notary Public
AV COMMICCION EVELOGO OF 15 OF	INDIALY LUDIIC

{YD1381.DOC;1}Last printed April 17, 2006 3:20 PM

MY COMMISSION EXPIRES 07-15-06

Date:	6/8/06	Joe 15'	Con
	,	JOE McCRONE	
State of O	hio)		
	1		
County of	Conjulinger)		
On	this, the 8 day of 9	, 2006, per	sonally appeared before
me, JOE	McCRONE, to me known to be th	e person named in and v	who executed the above
instrument	t, and acknowledged to me that he	executed the same for the	e uses and the purposes
therein me	entioned.		
		.	
SEAL	DIANE D. STIEGLER	Dean &	· Hieghr
	NOTARY PUBLIC, STATE OF OHIO	Notary Public	\mathcal{O}
	MY COMMISSION EXPIRES 07-15-06	-	

{YD1381.DOC;1}Last printed April 17, 2006 3:20 PM

RECORDED: 06/19/2006