[1.13.00] Form PTO-1595

11-24-2000



6-93 RECORD	Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks. Please record to	101526091 the attached original documents of copy and attached original documents or copy attached original documents or copy attached original documents or copy attached or copy
Name of conveying party(ies):	2. Name and address of receiving party(ies):
a. James E. Smith,b. John L. Loth,c. Robert P.M. Craven, andd. Robert Bond	Name: West Virginia University Street Address: P. O. Box 6845
Additional name(s) of conveying party(ies) attached? □ yes ⊠ no	City: Morgantown State: WV Zip Code:26506-6845
3. Nature of Conveyance:	Country: U.S.A.
 ☑ Assignment ☐ Merger ☐ Change of Name ☐ Other 	Additional name(s) & address(es) attached? □ yes ⊠ no
Execution Dates: August 24, 2000; September 20, 2000	
4. Application number(s) or patent number(s): (1)	
If this document is being filed together with a new applicat	ion, the execution date of the application is:
A. Patent Application No(s). 09/641,699	B. Patent No(s).
Additional numbers attached?	yes ⊠ no
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved
Name: STEPTOE & JOHNSON	7. Total fee (37 C.F.R. § 3.41)\$ 40.00
Internal Address: c/o Megan D. Dortenzo	⊠ Enclosed
	☐ Authorized to be charged to Deposit Account
Street Address: Sixth Floor, Bank One Center P.O. Box 2190	8. Deposit Account Number: 19-4295
City: Clarksburg State: W.V. Zip Code: 26302-2190	
DO NOT US	E THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing inform of the original document. Megan D. Dortenzo Name of Person Signing Registration No. 39,172	nation is true and correct and any attached copy is a true copy Date Date
OMB NO. 0651-0011 (exp.4/94)	Tom number of pages mending correctioned, and annumber and decision
ONG1 00000026 09641699 Commissioner of Patents and	n required cover sheet information to: Trademarks, Box Assignments n. D.C. 2023

11/16/2000 HV 04 FC:581

CL630133.1

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned: <u>James E. Smith, John L. Loth, Robert P. M. Craven, and Robert Bond</u> the undersigned hereby sell and assign to <u>West Virginia University</u> (the Assignee) his entire right, title and interest

check applicable box(es)

☐ for the United States of America (as defined in 35 U.S.C. § 100),
☐ and throughout the world,

in the invention known as Pie	zoelectric Actuators for Cir	rculation Controlled Roto	rcraft for which an application
for patent in the United States	of America has been execut	ed by the undersigned on ${\cal J}$	(1)
(2)	(3)	(4)	(also known
as United States, application N	o. to be assigned, filed Augu	<u>ıst 18, 2000</u>), in any and all	applications thereon, in any and
all Letters Patent(s) therefor, a	nd in any and all reissues, ex	ktensions, renewals, reexan	ninations of such applications or
or terms for which such Letter named Assignee to the same e	s Patent(s) issue, such entire	right, title and interest to be	thereof, to the full end of the term theld and enjoyed by the above- undersigned had this assignment
as United States, application N all Letters Patent(s) therefor, a Letters Patent(s) and any division or terms for which such Letter	and in any and all reissues, exonal, continuation, and contires Patent(s) issue, such entire	ktensions, renewals, reexan nuation-in-part applications right, title and interest to be	applications thereon, in any an innations of such applications of thereof, to the full end of the term the held and enjoyed by the above

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Megan D. Dortenzo, Registration No. 39,172, of STEPTOE & JOHNSON, Sixth Floor, Bank One Center, P.O. Box 2190, Clarksburg, WV 26302-2190, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Signature of Inventor: (1)

Date: Signature of Inventor: (2)

Date: Signature of Inventor: (3)

Robert P.M. Craven

Signature of Inventor: (4)

Robert Bond

100.1

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned: <u>James E. Smith, John L. Loth, Robert P. M. Craven, and Robert Bond</u> the undersigned hereby sell and assign to <u>West Virginia University</u> (the Assignee) his entire right, title and interest

check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. § 100),

✓ and throughout the world,

•	d States of America has been execu		
(2)	(3)	(4)	(also known
as United States, applie	cation No. to be assigned, filed Aug	ust 18, 2000), in any and all app.	lications thereon, in any and
all Letters Patent(s) the	erefor, and in any and all reissues, o	extensions, renewals, reexaminat	tions of such applications or
Letters Patent(s) and ar	y divisional, continuation, and cont	inuation-in-part applications there	eof, to the full end of the term
or terms for which suc	h Letters Patent(s) issue, such entire	e right, title and interest to be held	d and enjoyed by the above-
named Assignee to the	same extent as they would have be	en held and enjoyed by the unde	ersigned had this assignment
and sale not been mad	e.		_

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Megan D. Dortenzo, Registration No. 39,172, of STEPTOE & JOHNSON, Sixth Floor, Bank One Center, P.O. Box 2190, Clarksburg, WV 26302-2190, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date:	8/24/00	Signature of Inventor: (1)	ami Smo
_	/- //-	6	James E. Smith
Date: _		Signature of Inventor: (2)	
			John L. Loth
Date:	a kolson	Signature of Inventor: (3)	1460 L
_			Robert P.M. Craven
_			
Date: _		Signature of Inventor: (4)	Robert Bond
			Kuucii Duna

CL630100.1

RECORDED: 11/13/2000

PATENT REEL: 011257 FRAME: 0756