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FORM PTO- Expires 06/30/99 OMB 0651-0027	1619A		partment of Commerce and Trademark Office PATENT
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		emarks: Please record the attached original doc	ument(s) or copy(ies).
Submission New	туре	Conveyance Type X Assignment Security Agr	nomont.
لتتنا	ssion (Non-Recordation)	X Assignment Security Agr	eement
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Reel #	Frame # e Document	U.S. Governmer (For Use ONLY by U.S. Governme	
Reel #	Frame #	Departmental File	Secret File
Conveying F	arty(ies)	X Mark if additional names of conveying parts	rties attached Execution Date Month Day Year
Name (line 1)	Fronczak, Frank	J.	05 02 2000
Name (line 2)			
Second Party			Execution Date Month Day Year
Name (line 1)	Adler, Scott P.		05 24 2000
Name (line 2)			
Receiving P	arty	Mark if additional names	of receiving parties attached
Name (line 1)	Wisconsin Alumni	Research Foundation	If document to be recorded is an assignment and the
Name (line 2)			receiving party is not domiciled in the United States, an appointment
			of a domestic
Address (line 1)	614 Walnut Stree	t	representative is attached. (Designation must be a
Address (line 1)	614 Walnut Stree	t	representative is attached.
` ' [Madison	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2)		WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2)	Madison City	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Re	Madison City	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Re	Madison City	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Ro Name Address (line 1) Address (line 2)	Madison City	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Re Name Address (line 1)	Madison City	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Ro Name Address (line 1) Address (line 2) Address (line 3)	Madison City	WI State/Country 5370 State/Country Part of Address Enter for the first Receiving Part of Address Enter for the Enter for	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Re Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)	Madison City	WI 5370	representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) Address (line 3) Domestic Re Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)	Madison city epresentative Name and company of the	WI State/Country 5370 State/Country Part of Address Enter for the first Receiving Part of Address Enter for the Enter for	representative is attached. (Designation must be a separate document from Assignment.)

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Addre	SS Area Code and Telephone Number	608-263-7677
Name Kathy Hanneman		
Address (line 1) Wisconsin Alum	nni Research Foundation	
Address (line 2) 614 Walnut Str	eet	
Address (line 3) Madison, WI 5	3705	
Address (line 4)		
Pages Enter the total number of including any attachme	of pages of the attached conveyance documents.	ent # 7
Application Number(s) or Patent	Number(s) Mark if a	dditional numbers attached
• •	the Patent Number (DO NOT ENTER BOTH numbers f	· · · · · ·
Patent Application Number(s	s) Patent	Number(s)
09548635		
If this document is being filed together with a new signed by the first named executing inventor.	Patent Application, enter the date the patent applicatio	n was Month Day Year
Patent Cooperation Treaty (PCT)	DOT DOT	
Enter PCT application number	PCT PCT PCT	PCT
only if a U.S. Application Number has not been assigned.	mber PCT PCT	РСТ
Number of Properties Enter the	e total number of properties involved. #	1
Fee Amount Fee Amo	ount for Properties Listed (37 CFR 3.41): \$	40.00
Method of Payment: Deposit Account	Enclosed Deposit Account X	
	if additional fees can be charged to the account.) Deposit Account Number: #	23-2545
	Authorization to charge additional fees:	Yes X No
Statement and Signature		
To the best of my knowledge are attached copy is a true copy of indicated herein.	the original document. Charges to deposit	account are authorized, as
Kathy Hanneman	fathy fahlenan	
Name of Person Signing	/ Signature	Date

Conveying Party(ies)

Name Beachley, Norman H.	Execution Date 10 31 2000
Name Sabri, Ahmad M.	Execution Date 11 24 2000
Name	Execution Date
Name	Execution Date

ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a certain new and useful invention (the "Invention"), as set forth in an application for United States Letters Patent, bearing substantially the following title and bearing the following serial number. The application was executed by me, and it was filed on the indicated date:

Title: VARIABLE VALVE TIMING ACTUATOR

Serial Number: 09/548635 Date Filed: 4-13-2000

The assignee under this agreement is hereby authorized to insert the filing date and serial number referred to above, when ascertained.

For good and valuable consideration, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation (hereinafter "WARF") a non-stock, non-profit Wisconsin corporation, and to its legal representatives, successors, and assigns, my entire right, title and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention, together with all patents resulting from such applications. WARF shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I agree, upon WARF's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that WARF may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to WARF any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to WARF and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

I hereby request the Commissioner of Patents to issue to WARF, as the owner of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Ref: P97166US

Wisconsin Alumni Research Foundation

ASSIGNMENT	•	
Wisconsin Alumni R	esearch Foundation	
Ref: P97166US		
App.#: Filed: App.#: 09/548	635, Filed: 4-13-00	
Inventor: Lan Frank J. Fron 238 Carillon Madison, WI	czak Drive	Date: <u>5/2/00</u>
State of Wisconsin County of Dane))ss.)	
Fronczak, known to 1	ay of <u>May</u> , 2000 before me me to be the petson identified above as the d acknowledged to me that he or she exect forth.	he "Inventor," who executed the
SEAL	Debar k Johnson Notary Public	
	My Commission expires: NOU. 10,	12002

ASSIGNMEN I
Wisconsin Alumni Research Foundation
Ref: P97166US
App.#: Filed:
App.#: 09/548635, Filed: 4-13-00
Inventor: Date: 05/24/00
Scott P. Adler
14 Court of Brixham
Madison, WI 53705
State of Wisconsin)
)ss.
County of Dane)
317
On this day of, 2000 before me personally appeared Scott P. Adler, known to me to be the person identified above as the "Inventor," who executed the above
Adler, known to me to be the person identified above as the "Inventor," who executed the above
nstrument and acknowledged to me that he or she executed the same for the uses and purposes
herein set forth.
June Date 1
SEAL Town 101 towns
Notary Public
2/2/2024
My Commission expires: $3/21/2004$

Wisconsin Alumni Research Foundation
Ref: P97166US
App.#: 09/548635, Filed: 4-13-2000

Inventor: A mad M Subri
Ahmad M. Sabri
4546 Pine Ridge Drive
Columbus, IN 47201

State of Indiana
) ss.
County of Lone
)

On this Atth day of November, 2000 before me personally appeared Ahmad M.
Sabri, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

My Commission expires: 6-15-03

ASSIGNMENT

ASSIGNMENT Wisconsin Alumni Research Foundation
Ref: P97166US App.#: 09/548635, Filed: 4-13-2000
Inventor: Morman H. Beachley 2332 Fitchburg Road Verona, WI 53593 Date: Oct 31, 2000
State of Wisconsin)
)ss.
County of Dane)
On this
SEAL Martle BOHM
Notary Public
My Commission expires: $3/21/04$

RECORDED: 01/05/2001