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PATENTS ONLY OT12 Rec'd PCT/PTO 26 2004

Atty. Docket No Tiw-016US 2004

102741232 or of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: Honda Giken Kogyo Kabushiki Kaisha Hisao SAKAI 1-56-04 Yasuo SHIMIZU Toshihiro YAMAKI Hidetaka OZAWA Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No 3. Nature of conveyance Address: 1-1 Minami Aoyama 2 chome, Minatoku, Tokyo 107-8556 Japan. ■ Merger ☐ Security Agreement □ Change of Name Other __ Additional name(s) & address(es) attached? ☐ Yes ☑ No Execution Date: January 7, 2004 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: January 26, 2004 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes ☑ No Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Anthony A. Laurentano, Esq. 7. Total fee (37 CFR 3.41)......\$ 40.00 Internal Address: Lahive & Cockfield, LLP □ Enclosed ☑ Authorized to be charged to deposit account Street Address: 28 State Street Deposit account number: ___ ☑ Plus any deficiencies (Attach duplicate copy of this page if paying by deposit account) City:__Boston _ State: **__MA**__ZIP:_**02109** DO NOT USE THIS SPACE Statement and signature. 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. Anthony A. Laurentano, Reg. No. 38,220 January 26, 2004 Name of Person Signing Date Total number of pages including cover speet, attachments, and document:

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> > PATENT

REEL: 015304 FRAME: 0721

ASSIGNMENT

THIS ASSIGNMENT, made by the following inventor (hereinafter referred to as the assignor):

INVENTOR	RESIDENCE ADDRESS
Hisao SAKAI	Saitama-ken, Japan
Yasuo SHIMIZU	Saitama-ken, Japan
Toshihiro YAMAKI	Saitama-ken, Japan
Hidetaka OZAWA	Saitama-ken, Japan

WITNESSETH:

VALVE CONTROL APPAI	RATUS FOR INTERNAL	set forth in an application for Le	etters
	es, executed on even date herew	ith; and	
	HONDA GIKEN KOGYO		
	KABUSHIKI KAISHA	, a	
corporation duly organize	ed under and pursuant to the law of business at Minato-ku, T	s of the Country of Japan	, and
having its principal place	of business at Minato-ku. T	okyo. Japan ,	
(hereinafter referred to as	the assignee) is desirous of acq	uiring the entire right, title and inter	est in
and to said invention and	said application for Letters Pate	ent of the United States, and in and t	o any
Letters Patent or Patents.	United States or foreign, to be o	obtained therefor and thereon:	_

WHEREAS the said assignor has invented certain new and useful improvements in

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, the said assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

PATENT REEL: 015304 FRAME: 0722

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AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assignee, its successors, legal representatives and assigns, that the said assignor will, whenever counsel of the said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to the said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND the said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to the said assignee, as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Haga-gun.

	Signed at	Tochigi-ken,	Japan	_ this	7	_day of January	, XXXXX
			20	lisao	Sa	kai	
			(His	ao SAKA	AI)		
Witness:			·				
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	Signed at	Haga-gun, Tochigi-ken,	Japan	this	7	_day of _January	2004 2000 X
				Gasuo	Shin	niza	
			(Yasu	o SHIMI	-		
Witness:							

2004

AND for the same consideration, the said assignor hereby covenants and agrees to and with the said assignee, its successors, legal representatives and assigns, that the said assignor will, whenever counsel of the said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to the said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND the said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to the said assignee, as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

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RECORDED: 01/26/2004

	Signed at	Tochigi-ken	, Japan tl	his <u>7</u>	da	ay of	anuary	, X(X(X)
			/ama,	ki 7	Thehero			
			(Tosh:	ihiro N	YAMAKI)			
Witness:								
•								
		Haga-gun, Tochigi-ken,	Japan t	his	7 da	ay of	January	, 2004 , 2000 X
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				z <i>Hid</i> taka 02				
****			(nrde)	laka 02	ZAWA)			
Witness:								

PATENT REEL: 015304 FRAME: 0724