Express Mail En 505 10654: U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 294) Tab settings ⇒ □ □ ▼ hed original documents or copy thereof. 100764597 To the Honorable Commissioner of Pate 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: TOYOTA JIDOSHA KABUSHIK Masanobu KANAMARU, Kunihiko NAKATA, KAISHA Yasuyuki IRISAWA, Yoshiaki ATSUMI Internal Address:____ Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: Street Address: 1, Toyota-cho, Toyota-shi, □ Merger XX Assignment Aichi-ken, 471-8571 JAPAN ☐ Change of Name ☐ Security Agreement _____ State: _____ ZIP:____ Other ____ Execution Date: _June 9, 1998 Additional name(s) & address(es) attached?

Yes

No Application number(s) or patent number(s): B. Patent No.(s) A. Patent Application No.(s) OP/14/1998 DCORTES 00000244 110600 09108939 FC:581 40.00 CH Additional numbers attached? ☐ Yes 🛣 No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....S.40.00 Edward W. Greason Name: □ Enclosed Internal Address:____ Authorized to be charged to deposit account Kenyon & Kenyon 8. Deposit account number: Street Address: One Broadway 11-0600 NY ____ ZIP: ____ New York (Attach duplicate copy of this page if paying by deposit account) State: _ City:_ DO NOT USE THIS SPACE 9. 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. July 1, 1998 Edward W. Greason Date Name of Person Signing Total number of pages including cover sheet, attachments, and document:

4 - 18-21- US-06-5 # 4- 787- 10-68-56

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

Insert	TOYOTA JIDOSHA KABUSHII	KI KAISHA	
ASSIGNEE's Name(s) Address(es))	1, Toyota-cho, Toyota-s	shi, Aichi-ken, 471-8	3571 Japan
Citle of	(hereinafter "ASSIGNEE"), the receipt transfers to ASSIGNEE the entire and CONTROL APPARATUS, FOR	exclusive right, title and interest to	
nvention)	STABILITY OF AN IDLE STATE OF THE ENGINE		
	relating to International Patent Applica of the United States was executed on even		and/or for which application for Letters Pate uted, was:
nsert date	(a) executed on	_; [
f application, not oncurrent)	(b) filed on	data, when known.	ereby authorized to insert in (b) the specified
	renewal, substitute, reissue or reexamina	ation application based thereon, for	ted on said application and any continuation, division rethe full term or terms for which the said Letters re, hereinafter, "said application(s) and Letters
	The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEH, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance o said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other leg proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.		
	producing evidence.	arations, taking all rightful oaths, p	
ignatures)	producing evidence. IN WITNESS WHEREOF, ti	arations, taking all rightful oaths, p	providing sworn testimony, and obtaining and
ignatures)	producing evidence. IN WITNESS WHEREOF, ti	arations, taking all rightful oaths, p	providing sworn testimony, and obtaining and very affixed his/her/their signature(s).
gnatures)	producing evidence. IN WITNESS WHEREOF, to Masamolu Kanamaru (SIGNATURE)	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME)	providing sworn testimony, and obtaining and ve) affixed his/her/their signature(s). June 9, 1998
gnatures)	producing evidence. IN WITNESS WHEREOF, ti	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME)	oroviding sworn testimony, and obtaining and ve) affixed his/her/their signature(s). June 9, 1998 (DATE)
gnatures)	IN WITNESS WHEREOF, the Masanolu Kanamaru (SIGNATURE) 21 Kunihiko Nokata (SIGNATURE)	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME) Kunihiko Nakata (TYPE NAME)	June 9, 1998 (DATE) (DATE)
gnatures)	IN WITNESS WHEREOF, the state of the state o	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME)	June 9, 1998 June 9, 1998
gnatures)	IN WITNESS WHEREOF, the state of the state o	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa (TYPE NAME)	June 9, 1998 (DATE) June 9, 1998 (DATE) June 9, 1998 (DATE)
gnatures)	IN WITNESS WHEREOF, the Masanolu Kanamaru (SIGNATURE) 21 Kunihiko Nokata (SIGNATURE)	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa	June 9, 1998 June 9, 1998 June 9, 1998 (DATE) June 9, 1998
gnatures)	IN WITNESS WHEREOF, the Masanolus Kanamaru (SIGNATURE) 21 Kunihiko Nokata (SIGNATURE) 31 Yasuyuki Irisawa (SIGNATURE) 32 Yasuyuki Irisawa (SIGNATURE) 33 Yasuyuki Irisawa (SIGNATURE)	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa (TYPE NAME) Yoshiaki Atsumi	June 9, 1998 (DATE) June 9, 1998
gnatures)	IN WITNESS WHEREOF, the state of the state o	arations, taking all rightful oaths, posterior inventor(s) has (have be undersigned inventor(s) has (have be undersigned inventor(s) has (have be undersigned inventor(s) has (have be name) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa (TYPE NAME) Yoshiaki Atsumi (TYPE NAME)	June 9, 1998 (DATE)
gnatures)	IN WITNESS WHEREOF, EL 1) Masanolus Kanamaru (SIGNATURE) 2) Kunihiko nokata (SIGNATURE) 3) Jasuruki Irisawa (SIGNATURE) 4) Yoshiali Atsumi (SIGNATURE)	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa (TYPE NAME) Yoshiaki Atsumi (TYPE NAME)	June 9, 1998 (DATE)
ignatures)	IN WITNESS WHEREOF, the state of the state o	arations, taking all rightful oaths, posterior inventor(s) has (have be undersigned inventor(s) has (have be undersigned inventor(s) has (have be undersigned inventor(s) has (have be name) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa (TYPE NAME) Yoshiaki Atsumi (TYPE NAME)	June 9, 1998 (DATE)
ignatures)	IN WITNESS WHEREOF, the Masanolus Kanamark (SIGNATURE) 2) Kunihiko Nokata (SIGNATURE) 3) Yasuyuki Inisawa (SIGNATURE) 4) Yoshiali Utsumi (SIGNATURE) 5) (SIGNATURE) 6) (SIGNATURE)	arations, taking all rightful oaths, p the undersigned inventor(s) has (have Masanobu Kanamaru (TYPE NAME) Kunihiko Nakata (TYPE NAME) Yasuyuki Irisawa (TYPE NAME) Yoshiaki Atsumi (TYPE NAME) (TYPE NAME)	June 9, 1998 (DATE) (DATE)

RECORDED: 07/01/1998/ REEL: 9300 FRAME: 0527