Execution Date(s) October 11, 2005       Minato-ku Tokvo. 105-8659. Japan         ✓ Assignment       Merger         Security Agreement       Change of Name         Joint Research Agreement       State:         Government Interest Assignment       State:         Executive Order 9424, Confirmatory License       Other         Application or patent number(s):       This document is being filed together with a new application         A. Patent Application No.(s)       B. Patent No.(s)         29/235747       Additional numbers attached?       Yes Vo         S. Name and address to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved: 1         Name: Hisako Muramatsu, Esq.       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40,00         Internal Address:       Authorized to be charged to deposit account         Street Address:       Yool & Co., U.S.A., Inc.         13700 Marina Pointe Drive #723       S. Payment Information         a. Credit Card       Last 4 Numbers         Expiration Date       b. Deposit Account Number 502738         Phone Number:       Zip:30292         Phone Number:       Zip:30292         Phone Number:       State: co.         Paynet:       Information         a. Credit Card Last 4 Numbers       Expirati		United States Patent and Trademark Of T 17568			
Kazufumi WAKI       Name: SMC CORPORATION         Additional name(s) of conveying party(ies) attached?       Yes [] No         Street Address:					
Additional name(s) of conveying party(ies) attached?       Yes        No         Additional name(s) of conveying party(ies) attached?       Yes        No         Street Address:       16-4 Shinbashi, 1-chome,         Winate-ku Tokyo, 105-8659, Japan       Minate-ku Tokyo, 105-8659, Japan         Assignment       Merger         Joint Research Agreement       Change of Name         Joint Research Agreement       Street Address(es) attached?         Other       Additional name(s) & address(es) attached?         Other       Additional name(s) & address(es) attached?         Yes Ø       No         State:       Country:         Zig/235747       Executive Order 9424, Confirmatory License         A. Patent Application or patent number(s):       Attocument is being filed together with a new application         A. Patent Application No.(s)       B. Patent No.(s)         Signature       Yes Ø         Additional numbers attached?       Yes Ø         Yes Ø       No         Street Address:       Authorized to be charged by credit card         Authorized to be charged by credit card       Authorized to be charged by credit card         Marine Pointe Drive #723       Ro         Street Address:       Yos Ø         State: Ca       Zip:90252     <					
Additional name(s) of conveying party(ies) attached?       Yes [] No         Street Address:       16-4 Shinbashi, 1-chome,         Execution Date(s).       Minate-ku Tokvo. 105-8659, Japan         City:					
3. Nature of conveyance/Execution Date(s):       Street Address: 16-4 Shinbashi, 1-chome.         Execution Date(s):       Minato-ku Tokyo, 105-8859, Japan         Q Assignment       Minato-ku Tokyo, 105-8859, Japan         Q Assignment       City:         Joint Research Agreement       Change of Name         Government Interest Assignment       State:         Q Other       Additional name(s) & address(es) attached?       Yes         A. Application or patent number(s):       This document is being filed together with a new application         A. Patent Application No.(s)       B. Patent No.(s)         29/235/47       Additional numbers attached?       Yes         Additional numbers attached?       Yes       No         5. Name and address to whom correspondence concerning document should be mailed:       Street Address:       Street G7 CFR 1.21(h) & 3.41)       \$4000         Internal Address:					
Execution Date(s) October 11, 2005       Minato-ku Tokyo. 105-8659. Japan	Additional name(s) of conveying party(ies) attached? Yes 🗹 N	lo			
Minitade Ku Lokyo, 105-3639, Japan         Minitade Ku Lokyo, 105-3639, Japan         Minitade Ku Lokyo, 105-3639, Japan         Security Agreement         Joint Research Agreement         Government Interest Assignment         Country:         Zip:         Additional name(s) & address(es) attached?         Ves         Application or patent number(s):         A. Application or patent number(s):         A. Application No.(s)         29235747         Additional numbers attached?         Yes         Name and address to whom correspondence         Concerning document should be mailed:         Name:         Name:         Jaizon         Street Address:	3. Nature of conveyance/Execution Date(s):	Street Address: <u>16-4 Shinbashi, 1-chome</u> ,			
Security Agreement       Change of Name         Joint Research Agreement       State:         Government Interest Assignment       State:         Country:       Zip:         Additional name(s) & address(es) attached?       Yes          Application or patent number(s):       This document is being filed together with a new application         A. Patent Application No.(s)       B. Patent No.(s)         29/235747       Additional numbers attached?       Yes          Additional numbers attached?       Yes        No         5. Name and address to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved: 1         Name:		Minato-ku Tokyo, 105-8659, Japan			
State:   Joint Research Agreement   Government Interest Assignment   Executive Order 9424, Confirmatory License   Other   Application or patent number(s):   A. Patent Application No.(s)   29/235747     Additional numbers attached?   Yes   Additional numbers attached?   Yes   Additional numbers attached?   Yes   29/235747     Additional numbers attached?     Yes     6. Name and address to whom correspondence concerning document should be mailed:   Name: Hisako Muramatsu, Esq.   Internal Address:   Street Address: Yokol & Co., U.S.A., Inc.   13700 Marina Pointe Drive #723   City:   Marina Del Rey   State: CA   Phone Number: (310) 578-2340   Fax Number: (310) 578-2340		City:			
Government Interest Assignment         Government Interest Assignment         Country:       Zip:         Other       Additional name(s) & address(es) attached?       Yes          Application or patent number(s):       Additional name(s) & address(es) attached?       Yes          A Papication or patent number(s):       This document is being filed together with a new application         B. Patent Application No.(s)       B. Patent No.(s)         29/235747       Additional numbers attached?       Yes          Additional numbers attached?       Yes        No         5. Name and address to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved: 1         Name: Hisako Muramatsu. Esq.       Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00       Authorized to be charged by credit card         Internal Address:					
□       Executive Order 9424, Confirmatory License       Country:Zip:         □       Other       Additional name(s) & address(es) attached? □ Yes ☑ N         4. Application or patent number(s):       □       This document is being filed together with a new application         A. Patent Application No.(s)       29/235747       □       B. Patent No.(s)         29/235747       Additional numbers attached? □ Yes ☑ No       S. Name and address to whom correspondence concerning document should be mailed:         Name: Hisako Muramatsu, Esg.       6. Total number of applications and patents involved: 1         Name: Hisako Muramatsu, Esg.       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 4_0.00         Internal Address:       □       Authorized to be charged by credit card         13700 Marina Pointe Drive #723       □       Authorized to be charged to deposit account         City:       Marina Del Rey       3. Payment Information       a. Credit Card Last 4 Numbers		State:			
☐ Other		Country:Zip:			
4. Application or patent number(s):       This document is being filed together with a new application         A. Patent Application No.(s)       B. Patent No.(s)         29/235747       Additional numbers attached?       Yes Vo         5. Name and address to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved:         Name:       Hisako Muramatsu, Esq.       7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Internal Address:       Authorized to be charged by credit card         Marina Pointe Drive #723       None required (government interest not affecting titl         State:       CA         Zip:90292       Phone Number: (310) 578-2340         Fax Number:       Signature:         Jack       Lack Signature         Jack       Signature:         Jack       Signature					
A. Patent Application No.(s)       B. Patent No.(s)         29/235747       B. Patent No.(s)         29/235747       Additional numbers attached? Yes ✓ No         5. Name and address to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved: 1         Name: Hisako Muramatsu, Esg.       Internal Address:       7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Internal Address:       Authorized to be charged by credit card         Authorized to be charged by credit card       Authorized to be charged to deposit account         Street Address: Yokol & Co., U.S.A., Inc.       Inc.         13700 Marina Pointe Drive #723       None required (government interest not affecting titl         City: Marina Del Rey       8. Payment Information         a. Credit Card Last 4 Numbers       Expiration Date         Fax Number:       13100 578-2340         Fax Number:       13100 578-2340         Fax Number:       Signature:         Jate       Date         Signature:       Date	4. Application or patent number(s):				
Name: Hisako Muramatsu, Esq.       7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Internal Address:       Authorized to be charged by credit card         Authorized to be charged by credit card       Authorized to be charged to deposit account         Street Address:       Yokoi & Co., U.S.A., Inc.         13700 Marina Pointe Drive #723       Enclosed         City:       Marina Del Rey         State:       CA         Zip:90292       Expiration Date         Phone Number:       (310) 578-2340         F'ax Number:       Signature:         Jate       Image: Signature         Mathorized User Name       Image: Signature         Mathorized User Name       Image: Signature	Additional numbers a				
Internal Address:	29/235747 Additional numbers a 5. Name and address to whom correspondence	6. Total number of applications and patents			
Street Address: Yokoi & Co., U.S.A., Inc.   13700 Marina Pointe Drive #723   City: Marina Del Rey   State: CA   Zip: 90292   Phone Number: (310) 578-2340   Fax Number: (310) 578-2340   Fax Number: (310) 578-2340   Email Address: yokoiusa@msn.cgm   9. Signature:     Hisako Muramatsu, Eso.     Authorized to be charged to deposit account        Authorized to be charged to deposit account     Marina Del Rey        B. Signature:       Misako Muramatsu, Eso.       Authorized to be charged to deposit account     Authorized to be charged to deposit account     Marina Del Rey          Authorized Card                             Authorized User Name	29/235747 Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
13700 Marina Pointe Drive #723       None required (government interest not affecting tit)         City: Marina Del Rey       None required (government interest not affecting tit)         State: CA       Zip:g0292         Phone Number: (310) 578-2340       a. Credit Card Last 4 Numbers         Fax Number: (310) 578-2340       b. Deposit Account Number 502738         Email Address: vokoiusa@msn.com       Authorized User Name         9. Signature:       Signature         Hisako Muramatsu, Eso.       Total number of pages including cover	29/235747 Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Hisako Muramatsu, Esq.</u>	6. Total number of applications and patents involved:         7. Total fee (37 CFR 1.21(h) & 3.41)			
City:       Marina Del Rey         State:       Cip:90292         Phone Number:       Zip:90292         Phone Number:       City:         Marina Del Rey       Signature:         B.       Payment Information         a.       Credit Card       Last 4 Numbers         Expiration Date       Date         B.       Deposit Account Number         502738       Authorized User Name         B.       Signature       Date         Hisako Muramatsu, Eso.       Total number of pages including cover       1	29/235747 Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Hisako Muramatsu, Esq.</u>	6. Total number of applications and patents involved:         7. Total fee (37 CFR 1.21(h) & 3.41)         \$40.00         Authorized to be charged by credit card			
State: CA       Zip:90292         Phone Number: (310) 578-2340       a. Credit Card Last 4 Numbers         Fax Number: (310) 578-2340       b. Deposit Account Number <u>502738</u> Email Address: yokoiusa@msn.com       Authorized User Name         9. Signature:       Image: Signature         Hisako Muramatsu, Eso.       Total number of pages including cover	29/235747 Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Hisako Muramatsu, Esq.</u>	6. Total number of applications and patents involved:         7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Authorized to be charged by credit card         Authorized to be charged to deposit account			
State: <u>CA</u> 210. <u>90292</u> Phone Number: (310) 578-2340       Expiration Date         Fax Number: (310) 578-2340       b. Deposit Account Number <u>502738</u> Email Address: <u>vokoiusa@msn.com</u> Authorized User Name         9. Signature:       Image: Signature         Hisako Muramatsu, Eso.       Total number of pages including cover	29/235747 Additional numbers a <b>5. Name and address to whom correspondence</b> <b>concerning document should be mailed:</b> Name: <u>Hisako Muramatsu, Esq.</u> Internal Address: Street Address: <u>Yokoi &amp; Co., U.S.A., Inc.</u>	6. Total number of applications and patents involved:         7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Authorized to be charged by credit card         Authorized to be charged to deposit account         Image: Comparison of the charged to deposit account         Image: Comparison of the charged to deposit account			
Phone Number:       (310) 578-2340         Fax Number:       (310) 578-2340         Email Address:       yokoiusa@msn.com         9. Signature:       Image: Signature         Hisako Muramatsu, Eso.       Total number of pages including cover	29/235747 Additional numbers a <b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Hisako Muramatsu, Esq.</u> Internal Address: Street Address: 13700 Marina Pointe Drive #723	6. Total number of applications and patents involved:         number of applications and patents involved:         7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00         Authorized to be charged by credit card         Authorized to be charged by credit card         Authorized to be charged to deposit account         Image: State of the charged tot deposit account         Ima			
Fax Number: (310) 578-2340       b. Deposit Account Number 502738         Email Address: vokoiusa@msn.com       Authorized User Name         9. Signature:       Image: Signature         Hisako Muramatsu, Eso.       Total number of pages including cover	29/235747 Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed: Name:Hisako Muramatsu, Esq. Internal Address: Street Address: 13700 Marina Pointe Drive #723 City: Marina Del Rey	<ul> <li>6. Total number of applications and patents involved:_1</li></ul>			
9. Signature: Hisako Muramatsu, Eso.	29/235747  Additional numbers a <b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Hisako Muramatsu, Esq.</u> Internal Address:  Street Address: <u>Vokoi &amp; Co., U.S.A., Inc.</u> 13700 Marina Pointe Drive #723  City: <u>Marina Del Rey</u> State: <u>CA</u> Zip: <u>90292</u>	<ul> <li>6. Total number of applications and patents involved:_1</li></ul>			
9. Signature: Signature Hisako Muramatsu, Eso. Total number of pages including cover	29/235747 Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed: Name:Hisako Muramatsu, Esq. Internal Address: Street Address: 13700 Marina Pointe Drive #723 City: Marina Del Rey	<ul> <li>6. Total number of applications and patents involved:_1</li></ul>			
Signature     Date       Hisako Muramatsu, Eso.     Total number of pages including cover	Additional numbers a         Additional numbers a         5. Name and address to whom correspondence         concerning document should be mailed:         Name: Hisako Muramatsu, Esq.         Internal Address:	<ul> <li>6. Total number of applications and patents involved: 1</li> <li>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$40.00</li> <li>Authorized to be charged by credit card</li> <li>Authorized to be charged to deposit account</li> <li>✓ Enclosed</li> <li>None required (government interest not affecting titl</li> <li>8. Payment Information <ul> <li>a. Credit Card</li> <li>Last 4 Numbers</li> <li>Expiration Date</li> </ul> </li> <li>b. Deposit Account Number <u>502738</u></li> </ul>			
	29/235747  Additional numbers a  S. Name and address to whom correspondence concerning document should be mailed: Name:Hisako Muramatsu, Esq. Internal Address: Street Address: Street Address: Yokoi & Co., U.S.A., Inc. 13700 Marina Pointe Drive #723 City: Marina Del Rey State:CA Zip:90292 Phone Number:(310) 578-2340	6. Total number of applications and patents involved: _1			
	Additional numbers a         Additional numbers a         5. Name and address to whom correspondence         concerning document should be mailed:         Name: Hisako Muramatsu, Esq.         Internal Address:	6. Total number of applications and patents involved: _1			

1

PATENT REEL: 017190 FRAME: 0800

## Assignment

譲渡証

Japanese Language Assignment

## (1-8) Insert Name(s) of Inventor(s)

発明者の氏名を記入すること

(1)	Kazufumi WAKI
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	

各々の署名人に対して支払われた総額1ドル (\$1.00)お よび他の適切な有価約因を考慮して、各々の署名人は

- (9) Insert Name of Assignee 譲受人氏名を記入すること
- (9) SMC CORPORATION
- (10) Insert Address of Assignee譲受人住所を記入すること
- (10) 16-4, Shinbashi 1-chome, Minato-ku, Tokyo, 105-8659 JAPAN

(以降譲受人と称する)に対して、譲渡に同意し、ここに 譲渡し、米国法第35章第100条に定義されるごとく、こ の発明および仮出願、非仮出願、分割出願、継続出願、 差替え出願、及び再発行出願、および前記発明に関する すべての特許証、延長証、再発行証、再審査証を含む特 許のための全ての出願において、アメリカ合衆国のため のすべての権利、所有権、および利益を譲受人の継承人、 後継者、非譲渡者、および法定代理人に移転および譲渡 し、

(11) Insert Identification such as Title, Case Number, or Foreign Application Number 名称、事件番号、もしくは外国出顧番号のよう

な確認事項を記入のこと

(11)

AIR CYLINDER

(Attorney Docket No. D05-1005 弁護士整理番号

前記署名人が下記の日付でアメリカ合衆国において特 許出願を履行するものであり、 for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each

of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the

America as defined in 35 U.S.C. §100, in the invention,

and in all applications for patent including any and all

provisional, non-provisional, divisional, continuation,

certificates that may be granted on the invention known

substitute, and reissue application(s), and all Letters

Patent, extensions, reissues and reexamination

as

)

entire right, title and interest for the United States of

## PATENT REEL: 017190 FRAME: 0801

or

もしくは

(12)	Insert Date of Signing of Apple 出願に署名する日付を記入の		
(12)	on		
(13)	Alternative Identification for fi 提出された出願のための代案		
(13)	U.S. application Serial Number 右記の米国出願整理番号で	29/235747	
	filed		
	August 5, 2005		

上記日付において提出されたものである。

1)各々の署名人は前記発明のための出願関係 および、継続出願、分割出願、再発行出願およびこの件に関しての発行する特許において、必要な全ての書類を履行することに同意し、譲受 人が必要と思われる、このような出願および特許に関しての別途譲渡証を履行することにも同意する。

2)各々の署名人は、前記発明のための、出 願もしくは継続出願、もしくはその分割出願、 特許もしくはそれに基づく再発行出願に関し て宣言されるインターフェレンスに関して必 要な全ての書類を履行することに同意し、証拠 取得およびそのようなインターフェレンスを 進行するにあたり、いかなる方法においても前 記譲受人と協力することに同意する。

3) 各々の署名人は、すべての用紙および書 類を履行し、国際工業所有権保護協定の請求も しくは規定もしくは類似協定に関して必要な いかなる行為を施行することに同意する。

4) 各々の署名人は、前記譲受人に対して有 効な米国特許の承認を取得し、維持し、もしく は再発行もしくは再審査により、確認するため に、必要なすべての積極的な行為を履行するこ とに同意する。

5) 各々の署名人は、全ての利益の譲受人 として、米国特許商標庁長官に前記出願から発 生したすべての米国特許証を前記譲受人に対 して発行することを許可および請求し、ここに 署名するにおいて、譲受人は全ての利益を譲る ためのすべての権利を有し、対立関係にある協 定を過去に履行することなくもしくは将来履 行しないことを誓約し、この協定が前記譲受 人、譲受人の継承人、後継者、非譲渡者、およ び法定代理人に法的義務を負わせるものであ ることに同意する。

6) 各々の署名人は 13700 Marina Pointe Drive #1512 Marina Del Rey, California 90292 U.S.A.の Yokoi & Co. U.S.A., Inc. の村松久子 弁護士に願書番号と提出日を【願書番号 \_\_\_\_\_\_ 提出日\_\_\_\_\_】に 記入することを依頼する。 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) I / We hereby authorize and request my / our attorney, Hisako Muramatsu, Esq. of Yokoi & Co. U.S.A., Inc., 13700 Marina Pointe Drive #1512, Marina Del Rey, California 90292, U.S.A. to insert here in parentheses (Application Number:\_\_\_\_\_\_\_, filed \_\_\_\_\_\_\_) the filing date and application number of said application when known.

## PATENT REEL: 017190 FRAME: 0802

Date 日付	October 11, 2005	Inventor Signature 発明者署名	Kazutumi Kazufumi		(SEAL 印	)
Date 日付		Inventor Signature 発明者署名			(SEAL 印	)
Date 日付		Inventor Signature 発明者署名			(SEAL 印	)
Date 日付		Inventor Signature 発明者署名			(SEAL 印	)
Date 日付		Inventor Signature 発明者署名			(SEAL 印	)
Date 日付	·	Inventor Signature 発明者署名		<u> </u>	(SEAL 印	)
Date 日付		Inventor Signature 発明者署名	<u></u>	<u> </u>	(SEAL 印	)
Date 日付		Inventor Signature 発明者署名	<u></u>	<u> </u>	(SEAL 印	)

RECORDED: 11/03/2005

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