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 4. Application number(s) or patent number(s): A. Patent Application No(s). (1) Unknown (2) (3) Additional numbers at 	s assignment is being filed together with a new application. B. Patent No(s). (1) (2) (3) tached \(\sumsymbol{\text{Yes}} \sumsymbol{\text{No}} \) No
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ASSIGNMENT OF PATENT APPLICATION

(Inventors)	Atsushi MAEHARA	Akiteru DEGUCHI	
	Hitoshi AZUMA		
	considerations paid to each of the and hereby does assign, transfer	um of one dollar (\$1.00) and other good and valuable undersigned, the undersigned agree(s) to assign, and set over to	
(Assignee)	SHARP KABUSHIKI KAISHA		
(Address)	(of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of		
(Other	(in the invention, and all application for patent and any Letters Patent which		
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(Title)		/STEM (Case No)	
	for which the undersigned has (have) executed on even date herewith an application		
	for patent in the United States of America or, if not on even date, then has executed (on or has already filed in		
	(U.S. appln. Serial No. , file	ed on).	
	• • • •	an obligation of assignment of this invention to said	
	THE UNDERSIGNED ACKNOWNEDGES	an obligation of assignment of this invention to sald	

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

assignee at the time the invention was made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

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PATENT REEL: 017452 FRAME: 0790 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date Dec. 19, 2005 Signature of inventor

Date Dec. 19, 2005 Signature of inventor

Atsushi Maehara

Atsushi MAEHAR

Date Dec. 19, 2005 Signature of inventor

Akiteru DEGUCHI

Hitoshi AZLIA

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