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05-28-1998

Vashington, D.C. 20231

FORM PTO-1595 F	U.S. DEPARTMENT OF COMMERCE		
(Rev. 6-93)	Patent and Trademark Office 721441 asset record the attached original document or certified copy thereof.		
To the Honorable Commissioner of Pa.	anached original document or certified copy thereof.		
Name of conveying Party(ies):	2. Name and Address of receiving Party(ies):		
Shunta SHIRAISHI	Name: SHIRAISHI CORPORATION		
Additional name(s) of conveying party(s) attached? Yes X No 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name	Street Address: 4-1, Marunouchi 3-chome, Chiyoda-ku City: Tokyo		
	State/Country: JAPAN Zip:		
Other Execution Date: December 25, 1997	Additional name(s) & address(es) attached? Yes X No		
Application number(s) or patent number(s): If this document is being filed together with a new application, the	e execution date of the application is:		
A. Patent Application No.(s)/Application Date	B. Patent No.(s)/Patent Date		
09/015,295 filed on January 29, 1998			
Name and address of party to whom correspondence concerning this matter should be mailed:	6. Number of applications and patents involved:		
Jacobson, Price, Holman & Stern 400 7th Street, N.W. Washington, DC 20004 Tel. 202-638-6666	7. Total fee (37 CFR 3.41)\$ 40.00 X Enclosed X Any deficiencies in enclosed fees are authorized to be charged to deposit account		
Attorney Docket No. P61463US0			
	8. Deposit Account No.: 06-1358		
	(Attach duplicate copy of this page if paying by deposit account):		
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. D. Douglas Price / reg. no. 24.514 Name of Person Signing / Reg.# Total number of pages including cover sheet, attachments, and document: 2 3 3 3 3 4 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8			
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PATENT REEL 9183 FRAME: 0510

UNITED STATES OF AMERICA—ASSIGNMENT

(1-6) Insert Name(s) of Inventors	(1)	Shunta SHIRAISHI		
	(2)			
	(3)			
	(4)			
	(5)		and	
	(6)	In consideration of the sum of one dollar (\$1.00) paid to each of the undersigned, the receipt and sufficient undersigned agree(s) to assign, transfer and set over	, and other good and valuable considerations ency of which are hereby acknowledged, the	
(7) Insert Name of assignee	(7)	SHIRAISHI CORPORATION		
(8) Insert Address of Assignee	(8)	$_{\mathrm{of}}41$, Marunouchi 3-chome, Chiyod	a-ku, Tokyo, Japan	
(9) Insert <u>Legal Entity</u> and <u>State</u> or <u>Country</u> (e.g., a corporation or citizen of Japan)	(9)	$a \hbox{corporation} \qquad \qquad \text{of} .$.Japan	
		(hereinafter designated as the Assignee) the entire right territories, dependencies and possessions, in the inve		
(10) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(10)	METHOD OF AND APPARATUSES FOR PREVENTING LIQUEFACTION OF GROUND CAUSED BY VIOLENT EARTHQUAKE		
3 ,,		for which the undersigned has (have) executed an applica	tion for patent in the United States of America	
(11) Insert <u>Date</u> of Signing of Application, or filing date and Serial No., if known	(11)	Said application having been executed/filed on Ja Serial No 09/015,295)	nuary. 29,(and assigned	
thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements. 4) 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. 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional 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. 6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, 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 and Trademark Office for recordation of this document. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Date Oxide the United States Patent and Trademark Office for recordation of this document. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).				
Date		Name of Inventortyped name	signature (SEAL)	
Date		Name of Inventortyped name	signature (SEAL)	
Date		Name of Inventortyped name	signature (SEAL)	
Date		Name of Inventortyped name	signature (SEAL)	
Date			(SEAL)	
This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here: Additional inventor's names and signatures on a Witness				
separate sheet. Witness				

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PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W. P

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WASHINGTON, D.C. 20004
RELL: 9183 FRAME: 0511