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If this document is being filed together with a new application, the	execution date of the application is:
A. Patent Application No(s).	B. Patent No(s).
(1) 10/237,988	(1)
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PATENT<sub>1</sub> - 4105-10.cvr assign

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## RECORDATION FORM COVER SHEET

## **PATENTS ONLY**

Box Assignment, Washington, D.C. 20231			
1. Name of conveying party(ies):			
2. Name: Yasuo CHO			
Street Address: 4-5-304, Komegafukuro 2-c	iome, Aoba-ku, Sendai-shi		
City: Miyagi			
State: Japan			
Zip:			
4. Application number(s) or patent number(s):			
A. Patent Application No(s).	B. Patent No(s).		
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(9)	(9)		

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## ASSIGNMENT OF PATENT APPLICATION

(Inventors)

Yasuo CHO of Miyagi, Japan and Atsushi ONOE of Saitama, Japan

(Assignee) (Address)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to PIONEER CORPORATION; 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan and Yasuo CHO; 4-5-304, Komegafukuro

2-chome, Aoba-ku, Sendai-shi, Miyagi, 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 Countries) (Title)

(in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as (Case No)

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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. appin. Serial No. 10/237,988 filed 9/10/2002.

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

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.

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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signature(s).	scaled by the andersighe	on the date(s) opposite the undersigned
Date Oct., 8, 2002	Signature of inventor	( yasuv Cho
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