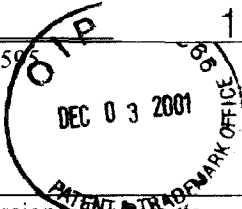


12-10-2001



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FORM PTO-159  
(Rev. 6-93)



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 054791-5001

To the Commissioner of Patents

Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):  
  
Masaru ISHIKAWA  
  
Additional names of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party:  
  
Name: Pioneer Corporation  
  
Internal Address:  
  
Street Address: No. 4-1 Meguro 1-chome,  
Meguro-ku, Tokyo-to, Japan  
  
City:  
State: Zip:  
  
Additional name(s) & address(es) attached?  
  
 Yes  No

3. Nature of conveyance:  
  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
  
Execution Date: August 28, 2001

4. New Application number(s) or patent number(s): 09/941,163  
  
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)  
  
Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: John G. Smith  
  
Internal Address: **Morgan, Lewis & Bockius LLP**  
**Customer No. 09629**  
  
Street Address: 1800 M Street, N.W.  
City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved:  
  
7. Total fee (37 C.F.R. §3.41): \$40.00  
 Enclosed  
 Authorized to be charged to Deposit Account 50-0310  
  
8. Deposit Account No. 50-0310  
(Attach duplicate page if paying by deposit account)

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.  
  
John G. Smith Reg. No. 33,818  
Name of Person Signing  
  
  
Signature  
  
December 3, 2001  
Date  
  
Total number of pages including cover sheet, attachments and documents: 2

12/05/2001 MWOLDER1 00000049 09941163

04 FL:581 40.00 0P

83 pages

ATTORNEY DOCKET NO.:  
SOLE/JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**COMMUNICATION TERMINAL DEVICE AND LENS ADAPTER**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on August 29, 2001, (Application No. \_\_\_\_\_); and

WHEREAS, PIONEER CORPORATION, a corporation of Japan  
Meguro-ku, Tokyo-to, Japan, whose post office address is No. 4-1 Meguro 1-chome

\_\_\_\_\_ (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/941,163, filed August 29, 2001) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

<b>Full Name of Sole or First Assignor</b> Masaru ISHIKAWA	<b>Assignor's Signature</b> MASARU ISHIKAWA	<b>Date</b> August 28, 2001
<b>Address</b> c/o Pioneer Corporation, Tokorozawa Works. No. 2610 Hanazono 4-chome, Tokorozawa-shi, Saitama-ken, Japan		<b>Citizenship</b> Japanese
<b>Full Name of Second Assignor</b>	<b>Assignor's Signature</b>	<b>Date</b>
<b>Address</b>		<b>Citizenship</b>
Names of additional inventors attached [ ] Yes [X] No		

**Morgan, Lewis & Bockius LLP**