To the Assistant Commissioner for Patents: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies):
   John Peter Kandis
   Noboru Kamijo
   Susan Sommers Moffatt
   Execution Dates
   July 19, 2001
   July 9, 2001
   July 24, 2001

2. Name and address of receiving party:
   INTERNATIONAL BUSINESS MACHINES CORPORATION
   New Orchard Road
   Armonk, New York 10504

   Additional name(s) & address(es) attached?
   Yes    XXX No


4. Application or patent number(s):
   If this document is being filed together with a new application, the execution date of the application is July 19, 2001, July 9, 2001, July 24, 2001

   A. Patent Application No.:
   B. Patent No.:

5. Name and address of party to whom correspondence concerning document should be mailed:
   CUSTOMER NO: 25299
   INTERNATIONAL BUSINESS MACHINES CORP.

6. Total number of applications and patents involved:
   1

7. Total fee (37 CFR 3.41): $ 40.00
   X Authorized to be charged to deposit account

8. Deposit account number: 09-1990
   (Duplicate copy of this sheet is attached)

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.

   J Bruce Schelkopf
   Name of Person Signing
   Signature
   Date

   Total number of pages including cover sheet, attachments and document: 3

Mail document(s) to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D. C. 20231

Polaris: 08/02/2001 00000000 001990 09912779
ASSIGNMENT

Whereas, we,

(1) John Peter Karidis  of Ossining  
    County of Westchester  and State of New York
(2) Noboru Kamijo  of Kanagawa-ken  
    City of Fujisawa-shi  and Country of Japan
(3) Susan Sommers Moffatt  of Chapel Hill  
    County of Orange  and State of North Carolina

have invented certain improvements in

PERSONAL COMMUNICATION DEVICE HAVING A BUILT-IN PROJECT DISPLAY

and executed a United States patent application thereof on the following date(s):

(1) \textbf{July 19, 2001} and, (2) \textbf{July 9, 2001}
(3) \textbf{July 24, 2001} and,

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York, 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letter Patents granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letter Patent on the invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DATE</th>
<th>SIGNATURE</th>
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<tr>
<td>Somers, NY</td>
<td>July 19, 2001</td>
<td>John Peter Karidis</td>
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<tr>
<td>Yamato</td>
<td>July 9, 2001</td>
<td>Noboru Kamijo</td>
</tr>
<tr>
<td>RTP, NC</td>
<td>July 24, 2001</td>
<td>Susan Sommers Moffatt</td>
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