Abstract: Providing high data rates in DSL systems connected by multiple pairs of wires. Data is transferred between user equipment at a customer premises (210) and a central office (220) using multiple pairs of wires (215, 225), with one pair used for sending data in one direction and another pair used for sending data in the opposite direction. Simplex data traffic on each pair enables full allocation of the available bandwidth for data for transmitting in one pair and for receiving in the other pair, providing a high data rate. Overall hardware requirement and cost are reduced, and system performance is enhanced.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
3 January 2008

For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.
A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H04M 11/00 (2007.01)
USPC - 379/93.28
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
IPC(8) - H04M 11/00 (2007.01)
USPC - 379/93.28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database consulted during the international search (name of database and, where practicable, search terms used)
PatBase, Google Patent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
</table>

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents
  “A”: document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search
19 October 2007

Date of mailing of the international search report
19 NOV 2007

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PCT CSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2007)