

Title (en)

IMPROVEMENTS IN, OR RELATING TO, DIGITAL TRANSMISSION

Title (de)

VERBESSERUNGEN IN, ODER BEZÜGLICH, DIGITALER ÜBERTRAGUNGEN

Title (fr)

AMELIORATIONS APORTEES A DES TRANSMISSIONS NUMERIQUES

Publication

**EP 1025654 A1 20000809 (EN)**

Application

**EP 98953128 A 19981030**

Priority

- SE 9801973 W 19981030
- SE 9704009 A 19971103

Abstract (en)

[origin: WO9923764A1] The present invention combines the advantages of OFDD with Frequency Divided Duplex (FDD), thus enabling the reach of a vdsl transmission system to be extended. The present invention requires that: the use of an extra cyclic prefix; and for longer lines, the frequencies above the FDD band are not used, in other words. This in turn means that: time-synchronisation is performed between all transmitters in the ONUs and the NTs; timing advance is calculated from the line length; and different sub-carriers are used in up-stream and down-stream directions.

IPC 1-7

**H04B 3/50**; H04L 5/06

IPC 8 full level

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Citation (search report)

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DOCDB simple family (publication)

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