

Title (en)

POWER LINE COMMUNICATION EMPLOYING CORDLESS TELEPHONE STANDARD

Title (de)

NETZLEITUNGSÜBERTRAGUNG UNTER VERWENDUNG EINES STANDARDS FÜR SCHNURLOSE TELEFONE

Title (fr)

UTILISATION DU STANDARD DE LA TELEPHONIE SANS FIL DANS LA COMMUNICATION AU MOYEN DU SECTEUR ELECTRIQUE

Publication

**EP 0898817 A1 19990303 (EN)**

Application

**EP 97923172 A 19970516**

Priority

- GB 9701340 W 19970516
- GB 9610266 A 19960516

Abstract (en)

[origin: GB2313273A] Telecommunications signals are carried on a cable 111 which carries mains electricity to a consumer's premises. A network conditioning unit NCU and a subscriber's interface unit SIU are provided between the mains cable 111 and conventional subscriber's terminal equipment (25A, 25B, 25C) adapted for full duplex communication with a local telephone exchange. The subscriber's interface unit SIU converts telecommunications signals between this duplex form (typically analogue at audio frequencies) and time division duplex (TDD) form at a carrier frequency in the range 1 MHz to 20MHz for coupling to the mains cable 111. In the example, TDD interface means 40 provides cordless telephony digital standard formatting/deformatting and modulating/demodulating at a carrier in the band 864MHz to 868MHz, and a frequency converter 50 converts between this band and, typically, 2MHz to 6MHz.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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**GB 2313273 A 19971119**; **GB 9610266 D0 19960724**; AU 2904397 A 19971205; EP 0898817 A1 19990303; WO 9743836 A1 19971120

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