

Title (en)

WIRELESS LOCAL LOOPS INCLUDING HORIZONTALLY POLARIZED ANTENNAS

Title (de)

SCHNURLOSE TEILNEHMERANSCHLÜSSE MIT HORIZONTAL POLARISIERTEN ANTENNEN

Title (fr)

LIGNES D'ABONNES SANS FIL A ANTENNES POLARISEES HORIZONTALEMENT

Publication

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Application

**EP 99927358 A 19990608**

Priority

- US 9912893 W 19990608
- US 12688798 A 19980731

Abstract (en)

[origin: WO0007389A1] Wireless local loops include primarily non-vertically polarized antennas. Preferably, the wireless local loop includes horizontally polarized antennas. By using primarily non-vertically polarized antennas in the WLL, interference between cellular, satellite and/or other radiotelephone communications systems, which employ predominantly vertically polarized antennas, can be reduced and preferably minimized. Conventional cellular and satellite radiotelephone systems use vertically polarized transmissions due to the vertical nature of the orientation of the mobile antennas on vehicles and/or mobile radiotelephones. However, in a WLL, with its fixed wireless telecommunications, there is no need to use vertically oriented antennas. Accordingly, to reduce interference, antennas that are primarily non-vertically polarized are used.

IPC 1-7

**H04Q 7/20**; **H01Q 1/24**; **H01Q 9/04**

IPC 8 full level

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