

Title (en)

BROADBAND SYSTEM WITH INTELLIGENT NETWORK DEVICES

Title (de)

BREITBANDÜBERTRAGUNGSSYSTEM MIT DEN VORRICHTUNGEN FÜR EIN INTELLIGENTES NETZ

Title (fr)

SYSTEME A LARGE BANDE COMPRENANT DES DISPOSITIFS DE RESEAU INTELLIGENT

Publication

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Application

EP 01973405 A 20010920

Priority

- US 0129739 W 20010920
- US 23468200 P 20000922
- US 27881101 P 20010326
- US 95237401 A 20010913
- US 95248201 A 20010913
- US 95247901 A 20010913
- US 95232701 A 20010913
- US 95248001 A 20010913
- US 95237301 A 20010913
- US 95220701 A 20010913
- US 95230601 A 20010913
- US 95232101 A 20010913
- US 95232201 A 20010913
- US 95238101 A 20010913
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Abstract (en)

[origin: WO0225869A2] Hybrid fiber/coax networks employ the existing cable plant used for cable TV and transmit data signals in a frequency bandwidth above that which is used for cable TV. As this cable plant was deployed in a tree and branch topology, data transmission may be susceptible to noise, variable transmission loss and frequency dispersion, particularly in the upstream direction. The present system, which uses point-to-point data links between intelligent network elements located in the feeder/distribution network to provide reliable, secure, bi-directional broadband access. Digital signals are terminated at the intelligent network elements, switched and regenerated for transmission across additional upstream of downstream data links as needed to connect a home to a headend or router. In this manner, the data links are made over relatively short runs of coax cable, which can provide greater bandwidth than the typical end-to-end feeder/distribution connection between a home and the headend or optical network unit.

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H04N 7/173

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 0225869A2

Citation (examination)

EP 0743776 A2 19961120 - HUGHES AVICOM INT INC [US]

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