

Title (en)

MULTI-BAND COAX EXTENDER FOR IN-BUILDING DIGITAL COMMUNICATION SYSTEMS

Title (de)

MEHRFACHBAND KOAXERWEITERUNG FÜR DIGITALE KOMMUNIKATIONSSYSTEME IN GEBÄUDEN

Title (fr)

UNITE D'EXTENSION COAXIALE MULTIBANDE POUR SYSTEMES DE COMMUNICATION NUMERIQUE D'IMMEUBLE

Publication

EP 1358762 A1 20031105 (EN)

Application

EP 02714856 A 20020207

Priority

- US 0203805 W 20020207
- US 26704601 P 20010207

Abstract (en)

[origin: WO02063880A1] A method and system to expand digital transmission capacity in a "tree and branch" coax distribution system employing distributed TV signal amplifiers (650). Specifically, a number of separate bands are used in a main feeder cable (624) that are frequency shifted and applied to a number of local coax distribution networks. In the preferred embodiment each of the local coax distribution networks (762, 766, and 770) use the same pair of upstream and downstream frequencies (116 and 120). Using identical pairs of upstream and downstream frequencies allows the use of a single standardized non-tuning end-user data interface (client modem 408), that can be connected to any of the local coax distribution networks. This abstract is provided as a tool for those searching for patents, and not as a limitation on the scope of the claims.

IPC 1-7

H04N 7/173; **H04L 27/10**; **H04Q 11/04**

IPC 8 full level

H04N 7/16 (2006.01); **H04B 3/58** (2006.01); **H04L 12/28** (2006.01); **H04N 7/10** (2006.01); **H04N 7/173** (2006.01); **H04Q 11/04** (2006.01)

CPC (source: EP KR)

H04L 1/0026 (2013.01 - EP); **H04L 12/2801** (2013.01 - EP); **H04L 27/10** (2013.01 - KR); **H04N 7/10** (2013.01 - EP); **H04N 7/106** (2013.01 - EP); **H04Q 11/0478** (2013.01 - EP)

Citation (search report)

See references of WO 02063880A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02063880 A1 20020815; **WO 02063880 A8 20031218**; CA 2433611 A1 20020815; CN 1528089 A 20040908; EP 1358762 A1 20031105; JP 2004526354 A 20040826; KR 20030074793 A 20030919; MX PA03007044 A 20040524

DOCDB simple family (application)

US 0203805 W 20020207; CA 2433611 A 20020207; CN 02804670 A 20020207; EP 02714856 A 20020207; JP 2002563702 A 20020207; KR 20037010364 A 20030806; MX PA03007044 A 20020207