

Title (en)
TESTING OF CATV SYSTEMS

Title (de)
PRÜFEN EINES KABELFERNSEHSYSTEMS

Title (fr)
VERIFICATION DE SYSTEMES CATV

Publication
EP 1051633 A4 20010822 (EN)

Application
EP 99903329 A 19990122

Priority
• US 9901432 W 19990122
• US 7240998 P 19980123

Abstract (en)
[origin: WO9938023A1] A method and apparatus for determining the location of an impedance mismatch in a digital communication circuit (22) generates (20) at least quasi-random data, transmit the data along the circuit (22) from a transmitting end of the circuit (22), recover (24) reflections from impedance mismatches in the circuit (22) adjacent the transmitting end of the circuit (22), correlate the reflections with the data to generate a correlation result, identify a reflection peak in the result, and multiply the propagation velocity of the data through the circuit (22) by a time delay to the reflection peak.

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G01R 31/11

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H04B 3/46 (2006.01); **H04N 17/00** (2006.01); **H04L 12/26** (2006.01); **H04L 12/28** (2006.01)

CPC (source: EP)
H04B 3/46 (2013.01); **H04N 17/00** (2013.01); **H04L 12/2801** (2013.01); **H04L 43/50** (2013.01)

Citation (search report)
• [X] WO 9307687 A1 19930415 - BRITISH TELECOMM [GB]
• [X] WO 9605665 A1 19960222 - NORTHERN TELECOM LTD [CA], et al
• [X] WO 9211710 A1 19920709 - BRITISH TELECOMM [GB]
• [X] US 4041381 A 19770809 - HWA LIM CHING
• [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 577 (P - 1460) 16 December 1992 (1992-12-16)
• See references of WO 9938023A1

Designated contracting state (EPC)
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