

Title (en)

COMPENSATION CONTROL FOR OFF-PREMISES CATV SYSTEM

Publication

EP 0559805 A4 19931103 (EN)

Application

EP 92902277 A 19911126

Priority

- US 61926190 A 19901128
- US 61937090 A 19901128
- US 61963090 A 19901128

Abstract (en)

[origin: WO9210062A1] A compensation control for an off-premises CATV system includes an automatic gain control and an automatic slope control. A first feedback control (302, 306, 310) is used to compare a first portion of a television signal to a first reference level and null the error. A second feedback control (304, 308, 312) is used to compare a second portion of the signal to a second reference level and null the error. In a second embodiment, the second feedback control differences first and second portions of the television signal. The reference level for automatic gain control is equal to the attenuation between the off-premises equipment and the subscriber premises plus the desired level at the subscriber premises. The level of a jamming signal is set to fall within a range of power levels related to the reference level.

IPC 1-7

H04N 7/16

IPC 8 full level

H04N 7/10 (2006.01); **H04N 7/16** (2011.01)

CPC (source: EP)

H04K 3/42 (2013.01); **H04K 3/43** (2013.01); **H04K 3/825** (2013.01); **H04N 7/102** (2013.01); **H04N 7/166** (2013.01); **H04K 2203/14** (2013.01)

Citation (search report)

- [A] EP 0323258 A2 19890705 - GEN INSTRUMENT CORP [US]
- [A] US 4792971 A 19881220 - UEMURA HIROKI [JP]
- [A] US 4418424 A 19831129 - KAWAMOTO NORIYUKI [JP], et al
- [A] US 4769838 A 19880906 - HASEGAWA YONOSUKE [JP]
- [A] EP 0265349 A2 19880427 - BROADBAND ENG INC [US]
- See references of WO 9210062A1

Designated contracting state (EPC)

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