

Title (en)

Method and apparatus for transmitting control signals to actuators in television satellite receivers.

Title (de)

Vorrichtung und Verfahren zur Übertragung von Steuersignalen für Orientierungsorgane in Satellitenfernsehhempfängern.

Title (fr)

Méthode et dispositif de transmission de signaux de contrôle aux organes de manoeuvre dans les récepteurs de télévision pour satellite.

Publication

EP 0314930 A2 19890510 (EN)

Application

EP 88116533 A 19881006

Priority

IT 2247987 A 19871102

Abstract (en)

The apparatus comprises: at least one receiving antenna (16) having one or more actuators (15); a coaxial transmission cable (13); at least one internal unit (9); first circuit means (1) for transmitting control signals to one end of the cable; second circuit means (17) for receiving and decoding the signals received at the other end of the cable and adapted to operate the actuators. The information for operating the actuators being obtained by modulating the direct tension, powering the external unit, with adapted pulses. The direct power tension normally overlaps the radiofrequency signal in the coaxial transmission cable and the modulation depth is such that it has no effect on the external unit powering. This allows, for transmitting the control signal, to use the same single coaxial cable for transmitting the radiofrequency signals.

IPC 1-7

H01Q 3/00

IPC 8 full level

H01Q 3/00 (2006.01)

CPC (source: EP)

H01Q 3/005 (2013.01)

Cited by

EP0505038A1; FR2656176A1; EP0510997A3; GB2271669A; EP0918367A3; EP0740415A1; US5649311A; EP0878865A1; US6108526A; EP2286520B1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0314930 A2 19890510; EP 0314930 A3 19900509; IT 1223039 B 19900912; IT 8722479 A0 19871102

DOCDB simple family (application)

EP 88116533 A 19881006; IT 2247987 A 19871102