Title (en)

Control cord for headsets and auxiliary devices

Title (de)

Steuerkabel für Headsets und Hilfsvorrichtungen

Title (fr)

Cordon de contrôle pour casques et dispositifs auxiliaires

Publication

EP 2403270 A1 20120104 (EN)

Application

EP 10167758 A 20100629

Priority

EP 10167758 A 20100629

Abstract (en)

A cord-based controller for an auxiliary device, such as a headset, is provided for use with a portable electronic device. A pressure-sensitive, and preferably bendable, material such as a piezoelectric pressure sensor is placed within or on an or cord of a headphone lead, such as by wrapping it within the outer shielding of the cord. A self-powered controlling sensor is arranged to control the electronic device using a generated control signal. The controlling sensor comprises a sensor material. The control signal is generated by deformation of the sensor material independent of power supplied to the headset and independent of power supplied to the portable electronic device. This is achieved without requiring a separate housing for the controller, which typically protrudes from the cord. A plurality of control sensor elements can be provided, each producing a different control signal voltage transmitted along a single control signal electrical connector.

IPC 8 full level

H04R 1/10 (2006.01); **H10N 30/30** (2023.01)

CPC (source: EP)

H04R 1/1041 (2013.01)

Citation (applicant)

US 7256347 B2 20070814 - GUSTAVSSON STEFAN BENGT [SE]

Citation (search report)

- [Y] US 2007237170 A1 20071011 - PROCTOR DAVID W [US], et al
- [Y] US 4975616 A 19901204 - PARK KYUNG T [US]
- [Y] US 4568851 A 19860204 - SONI PRAVIN L [US], et al
- [A] EP 2164277 A2 20100317 - YAMAHA CORP [JP]

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US2017208383A1; US10165349B2; EP2966877A1; US9503802B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2403270 A1 20120104; **EP 2403270 B1 20130320**; CA 2744378 A1 20111229; CA 2744378 C 20140902; EP 2603016 A1 20130612; EP 2603016 B1 20141217

DOCDB simple family (application)

EP 10167758 A 20100629; CA 2744378 A 20110628; EP 13153762 A 20100629