

Title (en)

Audio and control link between portable audio players (MP3, CD audio, DAT, Minidisc or similar) and stereo sound systems (hi-fi system, boombox, mini stereo sound system) by means of a bidirectional bus (USB, Firewire) connection

Title (de)

Audio und Kontrolverbindung zwischen Portable Audio Playern (MP3, CD-Audio, DAT, Minidisc o.ä.) und Stereoanlagen (Hifi, Boombox, Ministereo) über eine bidirektionale Busverbindung (USB, Firewire)

Title (fr)

Liaison audio et de contrôle entre des lecteurs audio portatifs (MP3, CD-Audio, DAT, minidisques et analogues) et des installations stéréo (Hifi, Boombox, Ministéréo) par l'intermédiaire d'une liaison bus bidirectionnelle (USB, Firewire)

Publication

**EP 1681662 A3 20080312 (DE)**

Application

**EP 05028300 A 20051223**

Priority

DE 102005002099 A 20050114

Abstract (en)

[origin: EP1681662A2] The method for the operating of a stand-alone, especially portable picture and/or sound reproduction device (MP3) as an external device in a music system (M), entails making available sound data (d) in the external device, transmitting the sound data via an interface (B) to the music system, and constructing and controlling the music system to process and/or reproduce the sound data. The controlling of the external device is carried out via the music system. Control signals (s\*) from the music system for the controlling of a functionality of the external device are transmitted to this external device via the interface or an additional interface. Independent claims are included for the following: (A) an integrated consumer picture and/or sound circuit (IC) for a music system in which the interface (USB,B) in addition to the output of control signal to control a functionality of the external device is constructed and/or operated as a bi-directional interface; and (B) a music system with the aforesaid bi-directional interface.

IPC 8 full level

**G08C 19/00** (2006.01); **H04B 1/20** (2006.01); **H05K 11/00** (2006.01)

CPC (source: EP US)

**G08C 17/02** (2013.01 - EP US)

Citation (search report)

- [X] DE 10101702 A1 20020718 - VOLKSWAGEN AG [DE]
- [X] DE 19735545 C1 19981217 - GRUNDIG AG [DE]
- [X] EP 1345424 A1 20030917 - THOMSON INC [US]
- [X] EP 0849884 A1 19980624 - SONY CORP [JP]
- [X] US 2002047944 A1 20020425 - SATO KEIJI [JP]
- [A] WO 0171691 A1 20010927 - ZIPZAPWAP LTD [GB], et al

Cited by

EP1980931A3; GB2435736A; GB2435736B; CN113711303A; EP1980931A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1681662 A2 20060719; EP 1681662 A3 20080312**; DE 102005002099 A1 20060727; US 2006161280 A1 20060720

DOCDB simple family (application)

**EP 05028300 A 20051223**; DE 102005002099 A 20050114; US 33379406 A 20060117