

Title (en)
Audio jack with ESD protection

Title (de)
Audiobuchse mit ESD-Schutz

Title (fr)
Prise audio dotée d'une protection ESD

Publication
EP 2445062 A1 20120425 (EN)

Application
EP 10188508 A 20101022

Priority
EP 10188508 A 20101022

Abstract (en)
A plug-and-jack for use with an electronic device that is configured to ensure circuitry of the device is protected from electrostatic discharge. In one case, the jack is an audio jack designed to protect high gain circuitry of the device against electrostatic discharge from the leads of an audio plug. The jack includes a mechanical switch that only connects the high gain circuitry to the appropriate portion of the audio plug once the audio plug is fully inserted. At the same time, the mechanical switch also connects the high gain circuitry and corresponding portion of the audio plug to an electrostatic discharge circuit.

IPC 8 full level
H01R 24/58 (2011.01); **H01R 13/703** (2006.01)

CPC (source: EP KR)
H01R 13/7032 (2013.01 - EP); **H05F 3/02** (2013.01 - KR); **H01R 24/58** (2013.01 - EP)

Citation (search report)

- [A] US 2008305676 A1 20081211 - FIENNES HUGO [US]
- [A] EP 1835574 A2 20070919 - HOSIDEN CORP [JP]
- [A] US 5266042 A 19931130 - HAMPEL HERBERT J [US]

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2445062 A1 20120425; **EP 2445062 B1 20151223**; CA 2753084 A1 20120422; CA 2753084 C 20140722; CN 102457786 A 20120516; CN 102457786 B 20140917; EP 2830166 A2 20150128; EP 2830166 A3 20150325; EP 2830166 B1 20190206; JP 2012094496 A 20120517; JP 5409736 B2 20140205; KR 101205581 B1 20121127; KR 20120042647 A 20120503; MX 2011009865 A 20120423

DOCDB simple family (application)
EP 10188508 A 20101022; CA 2753084 A 20110922; CN 201110282818 A 20110922; EP 14188863 A 20101022; JP 2011206537 A 20110921; KR 20110095928 A 20110922; MX 2011009865 A 20110920