

(19)



(11)

EP 2 830 166 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
25.03.2015 Bulletin 2015/13

(51) Int Cl.:
H01R 13/703^(2006.01) H01R 24/58^(2011.01)

(43) Date of publication A2:
28.01.2015 Bulletin 2015/05

(21) Application number: **14188863.6**

(22) Date of filing: **22.10.2010**

(84) Designated Contracting States:
**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**

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(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
10188508.5 / 2 445 062

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(54) **Audio jack with ESD protection**

(57) 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.

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EUROPEAN SEARCH REPORT

Application Number
EP 14 18 8863

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			H01R
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 10 February 2015	Examiner Bouhana, Emmanuel
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EPO FORM P0459

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