

Title (en)
Ground structure and electrical connector using the same

Title (de)
Grundstruktur und elektrischer Steckverbinder damit

Title (fr)
Structure de mise à la masse et connecteur électrique l'utilisant

Publication
EP 2202852 A3 20100915 (EN)

Application
EP 09177698 A 20091202

Priority
JP 2008331679 A 20081226

Abstract (en)
[origin: EP2202852A2] A ground structure is to be connected to a cable having a plurality of cable conductors, an outer braid for covering the cable conductors, and an outer covering for covering the outer braid. The ground structure includes a folded part of the outer braid which is folded back on the outer covering, an elastic member arranged between the folded outer braid and the outer covering and having an elasticity to push the folded outer braid outwardly, and a ground member positioned on and contacting the folded outer braid and having at least one scraping and contacting protrusion for scraping away a surface treatment layer of a shell, thereby achieving the grounding between the cable and the shell in a simple manner without requiring troublesome operations, and providing an electrical connector using such a ground structure.

IPC 8 full level
H01R 13/658 (2006.01); **H01R 13/58** (2006.01); **H01R 13/655** (2006.01)

CPC (source: EP)
H01R 9/0521 (2013.01); **H01R 13/59** (2013.01); **H01R 13/622** (2013.01); **H01R 13/65912** (2020.08)

Citation (search report)

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- [XI] JP 2000100525 A 20000407 - FURUKAWA ELECTRIC CO LTD
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Designated contracting state (EPC)
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)
AL BA RS

DOCDB simple family (publication)
EP 2202852 A2 20100630; EP 2202852 A3 20100915; CN 101771202 A 20100707; JP 2010153268 A 20100708

DOCDB simple family (application)
EP 09177698 A 20091202; CN 200910260864 A 20091221; JP 2008331679 A 20081226