

Title (en)
Coiled tubing power cable for deep wells

Title (de)
Rohrwendelstromkabel für tiefe Bohrlöcher

Title (fr)
Câble électrique à tube spiralé pour puits profonds

Publication
EP 3057107 A1 20160817 (EN)

Application
EP 15305194 A 20150210

Priority
EP 15305194 A 20150210

Abstract (en)
The invention concerns a power cable for providing power to a downhole tool situated within a deep well. The power cable comprises a plurality of stranded cable cores (2). Each cable core comprises an inner conductor (5) of a first conductive material, an armour core layer (6) surrounding the inner conductor of a second conductive material having higher tensile strength than the first conductive material and a conducting core layer (7) surrounding the armour core layers of a third conductive material. The inner conductor, the armour core layer and the outer conducting core layer are electrically connected to each other along the cable core's longitudinal length.

IPC 8 full level
H01B 7/04 (2006.01)

CPC (source: EP)
H01B 7/046 (2013.01); **H01B 9/006** (2013.01); **H01B 9/04** (2013.01)

Citation (applicant)
WO 2011146353 A2 20111124 - SCHLUMBERGER CA LTD [CA], et al

Citation (search report)
• [AD] EP 2521139 A1 20121107 - NEXANS [FR]
• [A] WO 2014062061 A1 20140424 - C6 TECHNOLOGIES AS [NO]
• [A] GB 2435347 A 20070822 - NEXANS [FR]

Cited by
CN107086069A; CN106298003A

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

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BA ME

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