

Title (en)
Energized slip ring assembly

Title (de)
Schleifringanordnung

Title (fr)
Dispositif de bague collectrice

Publication
EP 1643602 B1 20100217 (EN)

Application
EP 04256043 A 20040930

Priority
CA 2482681 A 20040928

Abstract (en)
[origin: EP1643602A1] A slip ring assembly (160) including a slip ring (164) and an electrical contact assembly (166). The slip ring (164) defines a circumference and an electrical contact groove (184) extending around the circumference of the slip ring (164). The electrical contact assembly (166) preferably includes a plurality of electrical contacts (187) spaced around the circumference of the slip ring (164) for engaging the electrical contact groove (184). In addition, an urging mechanism (234) is preferably associated with each of the electrical contacts (187) for urging the electrical contacts (187) toward engagement with the electrical contact groove (184). Finally, a wiper (244) is preferably associated with each of the electrical contacts (187) for extending within the electrical contact groove (184) to inhibit a fluid from passing through the electrical contact groove (184).

IPC 8 full level
H01R 39/08 (2006.01); **E21B 17/02** (2006.01); **E21B 47/01** (2012.01)

CPC (source: EP US)
E21B 17/028 (2013.01 - EP US); **H01R 39/08** (2013.01 - EP)

Citation (examination)
• DE 4314164 A1 19941103 - SPINNER GMBH ELEKTROTECH [DE]
• GB 926534 A 19630522 - GENEVOISE INSTR PHYSIQUE
• DE 4335859 A1 19950427 - VDO SCHINDLING [DE]
• GB 2018043 A 19791010 - BOSCH GMBH ROBERT

Cited by
EP2874247A1; EP2874246A1; CN112652930A; CN103628825A; CN113067224A; US9284793B2; WO2013028800A3; US9567827B2; US9759029B2; US9777551B2; US10156120B2; US10633534B2; US10570694B2; US10801298B2; US11634965B2; US10246967B2; US10316617B2; US10508504B2; US10605044B2; US10711563B2; US9970256B2; US10036221B2; US10214981B2; US10605020B2; US11078739B2; US11634958B2; US10480280B2; US10480267B2; US10781659B2; US10907441B2; US11713645B2; US8955605B2; US8997853B2; US9010411B1; US9074439B2; US9097095B2; US9103177B2; US9316086B2; US9334703B2; US9391417B2; US9562416B2; US9631453B2; US9689228B2; US9719320B2; US9725982B2; US9896899B2; US9976382B2; US9985402B2; US10446996B2; US10480277B2; US10494895B2; US10900321B2; US10961796B2; US11008827B2; US11136855B2

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