

Title (en)

Apparatus for electrically interconnecting multi-sectional well tools.

Title (de)

Einrichtung zum elektrischen Verbinden von aus vielen Abschnitten bestehenden Schachtwerkzeugen miteinander.

Title (fr)

Dispositif d'interconnexion électrique d'outils de puits comprenant une pluralité de sections.

Publication

EP 0186599 A2 19860702 (EN)

Application

EP 85402609 A 19851224

Priority

US 68657184 A 19841227

Abstract (en)

In the representative embodiment of the new and improved apparatus disclosed herein, a multi-section MWD tool is cooperatively arranged to include a plurality of separable tool bodies respectively carrying a pressure-tight enclosure with one or more electrical means and adapted to be tandemly coupled together to assemble a particular MWD tool. Mating electrical connectors connected to the electrical means are cooperatively supported in the threaded end portions of each tool body by mounting means uniquely arranged for selective manual adjustment to ensure reliable electrical connection to the connector in the next-adjacent tool body as well as to prevent the male threaded end portion of the adjacent tool body from damaging the connector in the female threaded end portion of the first tool body as the two bodies are being coupled together. Pressure-responsive means are also provided for biasing the mated electrical connectors together with sufficient force to withstand the extreme impact forces imposed on the MWD tool bodies as a well is being drilled.

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CPC (source: EP US)

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Cited by

EP0477278A4; CN111236929A; CN112922578A; CN113889791A; US5873750A; CN110398772A; WO9522679A1; WO9852081A1

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