

Title (en)

MEASURING DEVICE FOR A CASING STRING OF A DEEP BOREHOLE

Title (de)

MESSVORRICHTUNG FÜR EINE ROHRTOUR EINER TIEFENBOHRUNG

Title (fr)

DISPOSITIF DE MESURE POUR COLONNE DE TUBAGE D'UN TROU DE SONDE PROFOND

Publication

EP 4348002 A1 20240410 (DE)

Application

EP 22727055 A 20220502

Priority

- DE 102021113965 A 20210531
- EP 2022061658 W 20220502

Abstract (en)

[origin: WO2022253500A1] The application relates to a measuring device (100, 300, 400) for a casing string (450) of a deep borehole, comprising:
- at least one electrical measurement cable (102, 202, 402), which can be inserted into the casing string (450) and which has a first cable end (311) connectable to at least a measurement apparatus (110, 310) of the measurement device (100, 300, 400) and has an additional cable end (110, 210);
- at least one measurement head (104, 204, 404, 504), which is disposed at the additional cable end (110, 210) and which has at least one electrically conductive connection element (106, 206, 406), comprising a contact end (108, 208, 408), designed for contacting an inner wall (474) of the casing string (450);
- at least one ground contact element (114, 414), which can be connected to the measurement apparatus (110, 310);
wherein the measurement apparatus (110, 310) is designed to measure at least one electrical measurement variable which is dependent on at least one electrical protection variable applied to the casing string (450).

IPC 8 full level

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CPC (source: EP US)

C23F 13/04 (2013.01 - EP); **E21B 41/02** (2013.01 - EP US); **E21B 47/00** (2013.01 - EP US); **E21B 47/017** (2020.05 - US); **G01N 17/006** (2013.01 - US); **F16L 2101/30** (2013.01 - US); **G01M 3/40** (2013.01 - US); **G01N 27/041** (2013.01 - US)

Designated contracting state (EPC)

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