

Title (en)

APPARATUS FOR DETERMINING THE STUCK POINT OF DRILL PIPES IN A BOREHOLE

Publication

**EP 0039278 B1 19830831 (FR)**

Application

**EP 81400626 A 19810421**

Priority

FR 8009751 A 19800430

Abstract (en)

[origin: US4351186A] The apparatus includes a body member lowered within drill pipes and having an upper part (26) and a lower part (27) arranged for limited movements with respect to each other. Each part of the body member is anchored inside the drill pipes and the movements between said parts are detected when stresses are applied to the drill pipes from the surface. A first radial-coil transformer has a primary winding (35) integral with a part of the body member and a secondary winding (36,37) integral with the other part to detect the angular movements. A second axial-coil transformer has a primary winding (40) integral with a part of the body member and a secondary winding (41,42) integral with the other part to detect the longitudinal movements. The signals delivered by the transformers are linear functions of the respective movements.

IPC 1-7

**E21B 47/09**

IPC 8 full level

**E21B 47/09** (2012.01)

CPC (source: EP US)

**E21B 47/09** (2013.01 - EP US)

Citation (examination)

US 3153339 A 19641020 - ALEXANDER FORD I, et al

Cited by

FR2543215A1; DE3605036A1; US4694902A; US5585555A; EP0055675A1; WO2019123466A1; WO9623126A1

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