

Title (en)

ELECTRICAL CURRENT MEASUREMENT DEVICE AND ELECTRICAL COUNTER

Title (de)

MESSEINRICHTUNG FÜR ELEKTRISCHEN STROM UND STROMZÄHLER

Title (fr)

DISPOSITIF DE MESURE DE COURANT ELECTRIQUE ET COMPTEUR ELECTRIQUE

Publication

EP 2370823 A1 20111005 (FR)

Application

EP 09768190 A 20091116

Priority

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- FR 0858165 A 20081201

Abstract (en)

[origin: WO2010063914A1] The invention relates to a current measurement device comprising a primary conductor (20) in the form of a flat section folded into an overall U-shape, through which the current to be measured flows, and a sensitive element magnetically coupled in the air to the primary conductor (20), said sensitive element extending between the two branches of the U along an axis (XX') orthogonal to the plane containing the U. According to the invention, the measurement device further includes current-switching means in the form of a bistable electro mechanical relay that can occupy, through the action of a command, either a closed position in which the current to be measured can flow or an open position that prevents the current to be measured from flowing, and the generally U-shaped primary conductor (20) constitutes one portion of an electrically conducting element (10; 11; 14) of a bistable electromechanical relay forming a current switch.

IPC 8 full level

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G01R 15/181 (2013.01); **G01R 15/207** (2013.01); **H01H 50/021** (2013.01)

Citation (search report)

See references of WO 2010063914A1

Citation (examination)

- US 2001026428 A1 20011004 - POLESE ANGELO [DE], et al
- WO 03079387 A1 20030925 - SCHNEIDER ELECTRIC IND SAS [FR], et al

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