

Title (en)

DEVICE AND METHOD FOR MEASURING ELECTRICAL POWER

Title (de)

EINRICHTUNG UND VERFAHREN ZUR MESSUNG VON ELEKTRISCHER LEISTUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE DE L'ÉNERGIE ÉLECTRIQUE

Publication

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Application

EP 07712616 A 20070308

Priority

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Abstract (en)

[origin: WO2007101916A1] The invention relates to a method and apparatus for measuring electrical power travelling in a conductor (3). In the apparatus there are means for measuring simultaneously voltage (U) and current (I). The apparatus according to the invention comprises means (2, 22, 27) for converting the voltage (U) in a current quantity in a mechanical element (1, 21), which is in a force-effect relationship relative to the conductor (3), and means for determining the force-effect between the mechanical element (1, 21) and the conductor (3, 23), so that the force effect is directly proportional to the product of the voltage (U) and the current (I).

IPC 8 full level

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Citation (search report)

- [A] FR 2851368 A1 20040820 - AGENCE SPATIALE EUROPEENNE [FR]
- [A] WO 2006000622 A1 20060105 - VALTION TEKNILLINEN [FI], et al
- [A] HARALD EMMERICH ET AL: "Magnetic Field Measurements with a Novel Surface Micromachined Magnetic-Field Sensor", IEEE TRANSACTIONS ON ELECTRON DEVICES, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 47, no. 5, 1 May 2000 (2000-05-01), XP011017239, ISSN: 0018-9383
- See references of WO 2007101916A1

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