

Title (en)
CURRENT METER

Title (de)
STROMMESSAUFNEHMER

Title (fr)
MESUREUR DE COURANT

Publication
EP 1166131 A1 20020102 (DE)

Application
EP 00902617 A 20000119

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• EP 0000395 W 20000119

Abstract (en)
[origin: DE19914772A1] The invention relates to a current meter which is based on the principle of surface field measurement. Hall sensors (1) are used which are arranged in such a way, that they are excited by a magnetic field which is proportional to the current. Two Hall sensors are arranged in such a way, that they detect the field to be measured quantitatively in a uniform manner, but with opposing polarity signs. By subtracting the output signals from the Hall sensors, the measured value of the current is amplified, whilst external parasitic induction is eliminated.

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