

Title (en)
ROGOWSKI SENSOR AND METHOD FOR MEASURING A CURRENT

Title (de)
ROGOWSKI-SENSOR UND VERFAHREN ZUM MESSEN EINES STROMES

Title (fr)
DÉTECTEUR DE ROGOWSKI ET PROCÉDÉ DE MESURE D'UN COURANT

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Application
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Abstract (en)
[origin: WO2008077798A1] The invention relates, inter alia, to a Rogowski sensor (10) for measuring a current (I1(t)) of an electrical conductor (90), said sensor having a Rogowski coil (20), which has an electrical winding resistor (Rr), and having an integration device which is connected to the Rogowski coil and is intended to generate an output signal (Ua(t)) which is proportional to the electrical current (I1(t)) to be measured by the Rogowski sensor. The invention provides for the integration device to be formed by the winding resistor (Rr) of the Rogowski coil (20) and a capacitance (Ci) which is connected to the two winding connections (50, 60) of the Rogowski coil, and for the output signal from the integration device to be formed by the voltage (Ua(t)) applied to the capacitance (Ci).

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Citation (search report)
See references of WO 2008077798A1

Citation (examination)
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