

Title (en)  
CURRENT MEASURING SHUNT

Title (de)  
STROMMESS-NEBENSCHLUSS

Title (fr)  
SHUNT DE MESURE DE COURANT

Publication  
**EP 2394179 A4 20140507 (EN)**

Application  
**EP 09839556 A 20091223**

Priority  
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Abstract (en)  
[origin: WO2010088908A1] The present invention concerns a current measuring shunt and a method for measuring current or power, where the current measuring shunt is operating at a first electric potential and includes a first internal conductive pipe and a second external conducting pipe, wherein the first and the second pipes are arranged concentrically and joined at a common end plate. The purpose of the present invention is to perform measuring of electric values at a first voltage potential and to transmit measured values to a control system operating at another -voltage potential. This may be achieved if the first internal pipe includes a first electronics module that communicates with a second electronics module across a galvanic separation. Hereby may be achieved that an electronics circuit can be provided in the innermost pipe which is a largely field-free space. Measured values may be transmitted from the almost field-free space internally of the pipe through a galvanic separation to a second electronics module which may be included in larger control system for controlling and regulating an electric power system.

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CPC (source: EP)  
**G01R 1/203** (2013.01)

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• [X] EP 0026930 A1 19810415 - HYDRO QUEBEC [CA]  
• [X] DE 10258115 A1 20031113 - BAEHR MICHAEL [DE], et al  
• [X] US 5420504 A 19950530 - BERKCAN ERTUGRUL [US]  
• [A] ZA 200001188 B 20001020 - SCHNEIDER ELECTRIC IND SA  
• See references of WO 2010088908A1

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