

Title (en)
VARIABLE RESISTOR FOR MEASURING FILL LEVEL

Title (de)
DREHWIDERSTAND ZUR MESSUNG EINES FÜLLSTANDES

Title (fr)
POTENTIOMÈTRE POUR MESURER UN NIVEAU

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Application
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Abstract (en)
[origin: WO2008022927A1] Variable resistors are known, comprising a carrier plate and two slideways provided on the carrier plate, wherein a first and a second slideway each comprise bridge-shaped conductor sections. The invention provides for a sliding contact, interacting by means of finger-shaped contacts with the slideway. The bridge-shaped conductor sections are disposed such that the imaginary extensions thereof all run through a center, and that said center does not coincide with the pivot point of the sliding contact. According to this embodiment, it is achieved that the contacts of each sliding contact arm are slide in an offset manner across the bridge-shaped conductor sections such that in relation to the conductor sections leading and lagging contacts are present. Thus, a contact is always in electrical contact with the slideway thereof, particularly in case of high vibrations. It has been shown that the arrangement of the bridge-shaped conductor sections in relation to the contacting of the slideways is not ideal yet. The inventive variable resistor improves the contacting of the slideways. According to the invention, the bridge-shaped conductor sections (3.1, 3.2) of the first slideway (2.1) and/or of the second slideway (2.s) are oriented such that the imaginary extensions thereof extend in tangential fashion to a circle (6) having the same center (4) as the associated slideway (2.1, 2.2).

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