

Title (en)  
MEASURING ARRANGEMENT FOR MEASURING THE FILLING LEVEL OF A CONTAINER

Title (de)  
MESSANORDNUNG ZUR BEHÄLTERFÜLLSTANDSMESSUNG

Title (fr)  
DISPOSITIF DE MESURE DU NIVEAU DE REMPLISSAGE D'UN CONTENANT

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Application  
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Abstract (en)  
[origin: WO2006032602A1] The invention relates to a device (1) and to a method for measuring the filling level of a container, using a sensor (S) and an operating and evaluation unit controlling the measurement, feeding the sensor (S) via lines (L1, L2, LG). The aim of the invention is to create an arrangement which guarantees precise measurement of the filling level. According to the invention, at least one line can be interrupted by means of a switch (S1) and/or applied to a reference potential (UR). A first step includes measurement of electric potential differences (UR) between the three uninterrupted lines (L1, L2, LG); at least one of the three lines (L1, L2, LG) is interrupted and/or applied to a reference potential (UR) in a second step and the potential difference (ADC12, ADC23) of the two other lines is measured; in a third step the operating and evaluation unit (2) determines the filling level from the results of the measurements undertaken during the two previous steps.

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