

Title (en)

APPARATUS FOR CAPACITIVELY DETERMINING AND/OR MONITORING THE FILLING LEVEL OF A MEDIUM

Title (de)

VORRICHTUNG ZUR KAPAZITIVEN BESTIMMUNG UND/ODER ÜBERWACHUNG DES FÜLLSTANDS EINES MEDIUMS

Title (fr)

DISPOSITIF DE DÉTERMINATION CAPACITIVE ET/OU DE SURVEILLANCE DU NIVEAU DE REMPLISSAGE D UN PRODUIT

Publication

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Application

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Abstract (en)

[origin: WO2007048739A1] The invention relates to an apparatus for capacitively determining and/or monitoring the filling level of a medium (1) in a container (2), said apparatus having a probe unit (3), having a control unit (4) which applies a drive signal to the probe unit (3), and having an evaluation unit (5) which receives a response signal from the probe unit (3) and uses the response signal to determine a statement regarding the filling level. The invention involves the evaluation unit (5) using the response signal and/or the temporal behaviour of the response signal to determine a statement regarding a batch at the probe unit (3), at least one first formula and one second formula or one first evaluation algorithm and one second evaluation algorithm being stored in the evaluation unit (5), and, in the event of the batch being below a predetermined limit value, the evaluation unit (5) using a first formula to determine the statement regarding the filling level and, in the event of the batch being above the predetermined limit value, the evaluation unit (5) using a second formula to determine the statement regarding the filling level.

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