

Title (en)

DEVICE FOR DETERMINING AND/OR MONITORING FILLING OF A MEDIUM IN A CONTAINER

Title (de)

VORRICHTUNG ZUR BESTIMMUNG UND/ODER ÜBERWACHUNG DES FÜLLSTANDES EINES MEDIUMS IN EINEM BEHÄLTER

Title (fr)

DISPOSITIF DE DETERMINATION ET/OU DE SURVEILLANCE DE L'ETAT DE REMPLISSAGE D'UN RECIPIENT AVEC UNE SUBSTANCE

Publication

**EP 1399717 A1 20040324 (DE)**

Application

**EP 02740731 A 20020619**

Priority

- DE 10131081 A 20010627
- EP 0206750 W 20020619

Abstract (en)

[origin: WO03002952A1] The invention relates to an economical device for reliably determining and/or monitoring filling of a medium in a container. Said device comprises the following components: a housing (20) to which at least one oscillating unit (3) is affixed; a drive/receive unit (4; 13, 14) that is directly fixed to the oscillating unit (3) and that causes it to oscillate at given time interval in at least one of its own modes, in addition to a regulation/evaluation unit (8) that recognizes when a predetermined filling level has been reached based on the detected oscillations or a time change in the detected oscillation of the oscillating unit (3) and/or recognizes a disturbance caused by the sensor and/or the process on the basis of the detected oscillations or a change in the detected oscillations.

IPC 1-7

**G01F 23/296**

IPC 8 full level

**G01F 23/296** (2006.01)

CPC (source: EP US)

**G01F 23/2967** (2013.01 - EP US)

Citation (search report)

See references of WO 03002952A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 03002952 A1 20030109**; DE 10131081 A1 20030109; EP 1399717 A1 20040324; US 2004149030 A1 20040805

DOCDB simple family (application)

**EP 0206750 W 20020619**; DE 10131081 A 20010627; EP 02740731 A 20020619; US 48140303 A 20031229