

Title (en)
INDICATOR FOR A DEVICE FOR DISPENSING A LIQUID OR POWDERY PRODUCT

Title (de)
INDIKATOR FÜR EINE EINRICHTUNG ZUR ABGABE EINES FLÜSSIGEN ODER PULVERIGEN PRODUKTS

Title (fr)
INDICATEUR POUR DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE OU PULVERULENT

Publication
EP 1756760 A1 20070228 (FR)

Application
EP 05747092 A 20050425

Priority

- FR 2005050276 W 20050425
- FR 0404591 A 20040429
- FR 0451739 A 20040730

Abstract (en)
[origin: WO2005114563A1] The invention relates to an indicator for a device for dispensing a liquid or powdery product, said indicator comprising an actuating element (1) that can be axially displaced between an idle position and an actuating position, a rotatable (5) counting element (5), and a driving element (6). According to the invention, the driving element (6) transforms an axial displacement of the actuating element into a rotary displacement of the counting element (5), the counting element (5) comprising teeth (9) which co-operate with elastic means (7, 8) of the driving element (6). Said elastic means (7, 8) are provided with at least two flexible tabs (7, 8), at least one first flexible tab (7) co-operating with the teeth (9) of the counting element (5) in order to rotate the counting element (5) in a counting direction when the actuating element (1) is displaced from the idle position thereof towards the actuating position thereof, and at least one second flexible tab (8) co-operating with the teeth (9) of the counting element (5) in order to rotate the counting element in the same counting direction when the actuating element (1) returns from the actuating position thereof to the idle position thereof.

IPC 8 full level
B67D 7/22 (2010.01); **G06M 1/04** (2006.01); **A61M 15/00** (2006.01); **B67D 7/84** (2010.01); **G01F 11/00** (2006.01); **G01F 13/00** (2006.01)

CPC (source: EP US)
G06M 1/041 (2013.01 - EP US); **G06M 1/045** (2013.01 - EP US)

Citation (search report)
See references of WO 2005114563A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 2005114563 A1 20051201; EP 1756760 A1 20070228; JP 2007534400 A 20071129; JP 4762230 B2 20110831; US 2007210102 A1 20070913; US 7882982 B2 20110208

DOCDB simple family (application)
FR 2005050276 W 20050425; EP 05747092 A 20050425; JP 2007510088 A 20050425; US 58744205 A 20050425