

Title (en)
Dispenser with electronic counter

Title (de)
Spender mit elektronischem Zähler

Title (fr)
Emetteur doté d'un compteur électronique

Publication
EP 2177141 A3 20140212 (DE)

Application
EP 09013095 A 20091016

Priority
DE 202008013903 U 20081017

Abstract (en)
[origin: EP2177141A2] The dispenser (1) has a pump mechanism and a covering panel (2) arranged in a dispenser housing (6). The covering panel is attached to a part of the dispenser housing, and a dispenser input is disconnected from the covering panel in an opening position. The covering panel covers the dispenser input in a closing position (23), where the pump mechanism is operated in both the opening and closing positions. A counting device is arranged on the covering panel for checking an operation of the pump mechanism, where the counting device is connected with the pump mechanism in the closing position.

IPC 8 full level
A47K 5/12 (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP)
A47K 5/1205 (2013.01); **A47K 5/1217** (2013.01); **B05B 11/108** (2023.01)

Citation (search report)

- [X] US 6707873 B2 20040316 - THOMPSON LUKE P [US], et al
- [X] WO 2006077486 A1 20060727 - TRUDELL MEDICAL INT [CA]
- [XA] FR 2861460 A1 20050429 - VALOIS SAS [FR]

Cited by
EP2769318A4; EP3636348A1; CN112789119A; EP4166241A1; US11766688B2; WO2020074254A1; EP3263001B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2177141 A2 20100421; EP 2177141 A3 20140212; EP 2177141 B1 20160727; DE 202008013903 U1 20100415

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