

Title (en)

PRODUCT DISPENSING DEVICE COMPRISING A PUMP AND A DISPENSING END PIECE

Title (de)

PRODUKTSPENDER MIT EINER PUMPE UND EINEM AUSGABEENDSTÜCK

Title (fr)

DISPOSITIF DE DISTRIBUTION DE PRODUIT COMPRENANT UNE POMPE ET UN EMBOUT DE DISTRIBUTION

Publication

EP 2579992 B1 20191030 (FR)

Application

EP 11735472 A 20110609

Priority

- FR 1054608 A 20100610
- FR 2011051318 W 20110609

Abstract (en)

[origin: WO2011154663A1] The product dispensing device (10) is added to the neck (14) of a container (12) and comprises: a pump (16) comprising a metering chamber closed by a first needle valve forming a nonreturn valve; a dispensing end piece (18) added to the pump and comprising a second needle valve (66) forming a nonreturn valve and a bearing surface on which a user can press to activate the device; a cap (20) for protecting the device; a clamping collar (22) bearing the cap; and a member (24) for fixing the device on the neck (14) of the container, said member comprising means (88) for attaching the member around the neck, that can be activated by sliding the collar (22) with respect to the fixing member (24) from a pre-assembly configuration to an assembly configuration, an inner ring (80) for centring the pump on the container, and an outer ring (82) carrying means (84) for securing the dispensing end piece.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/0008 (2013.01 - US); **B05B 11/0075** (2013.01 - EP US); **B05B 11/1004** (2023.01 - EP US); **B05B 11/1042** (2023.01 - EP US); **B05B 11/1049** (2023.01 - EP US); **B05B 11/1069** (2023.01 - EP US); **B05B 11/0032** (2013.01 - EP US); **B05B 11/0064** (2013.01 - EP US); **B05B 11/1052** (2023.01 - EP US)

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US 4773553 A 19880927 - VAN BROCKLIN OWEN F [US]

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DOCDB simple family (publication)

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DOCDB simple family (application)

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