

Title (en)
PACKAGING AND DISPENSING DEVICE INCLUDING A MINIATURE ELECTRIC PUMP

Title (de)
PACKUNGS- UND SPENDERVORRICHTUNG MIT EINER MINI-ELEKTROPUMPE

Title (fr)
DISPOSITIF DE CONDITIONNEMENT ET DE DISTRIBUTION A POMPE ELECTRIQUE MINIATURE

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Application
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Abstract (en)
[origin: WO2011026968A1] The invention relates to a packaging and dispensing device (10) for a liquid or semi-liquid product, comprising: a container (12) including a lining element (18, 20) solidly connected thereto; an outlet member (22) borne by the lining element (18, 20); and at least one pump (24) connected to (i) at least one inlet duct (26) communicating with an outlet hole (16) in the container, in turn communicating with the interior of the container (12), and (ii) at least one outlet duct (28) supplying the aforementioned outlet member (22). According to the invention, a means (30) for controlling the pump (24) can be activated from an external surface (32) of the lining element (18, 20) in order to control the operation of the pump (24) and the conveying of the product from the container (12) to the outlet member (22). The invention is characterised in that the pump (24) is a miniature piezoelectric pump which is powered by an electrical power supply means (34) in the lining element (18, 20) and which is controlled by the control means (30).

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Citation (search report)
See references of WO 2011026968A1

Citation (examination)
• WO 0207897 A1 20020131 - PROCTER & GAMBLE [US]
• WO 2004094067 A2 20041104 - JOHNSON & SON INC S C [US], et al
• JP S556057 U 19800116
• US 7032841 B1 20060425 - SWISHER STEVEN L [US]

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