

Title (en)
DISPENSING DEVICE

Title (de)
ABGABEVORRICHTUNG

Title (fr)
DISPOSITIF DE DISTRIBUTION

Publication
EP 1474089 A4 20060906 (EN)

Application
EP 02709909 A 20020206

Priority
AU 0200108 W 20020206

Abstract (en)
[origin: WO03065967A1] A dispensing device is disclosed for liquid formulations which finds particular use as an eyewash station. The device (1) includes a container (2) with a neck (3) having a threaded portion (4). A shaped inner cap (5) includes a complementary threaded portion (6) to engage the threaded portion (4). A tube (7), open at both ends (8,9), is integral with the inner cap (5) and extends from the inner cap (5) to terminate near the base of the container (2). A first recess (10) extends around the exterior surface of the inner cap (5) at its lower end. A second recess (11) extends around the exterior surface of the inner cap (5) at approximately mid-length of the cap (5). An eyecup reservoir (12) includes an upper portion (13) shaped to accommodate the eye socket of a human. A tubular lower portion (14) extends from the base of the reservoir (12) and terminates in an internal ridge (15). The internal ridge (15), first recess (10) and second recess (11) are of complementary shapes. At the junction (16) of the upper portion (13) and the lower portion (14) of the eyecup reservoir (12), there is a plate (17) which includes a plurality of perforations (18). The eyecup reservoir (12) also includes drain holes (19). Below the junction (16) extends a cutting blade (20). After the container (2) is filled with the formulation, a membrane (21) is sealed across the mouth of the neck (4). Movement of the reservoir (12) from a first position to a second position pierces the membrane (21) allowing fluid to pass up through the tube (7) into the reservoir (12) when the sides of the container (2) are flexed inwards.

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A61H 35/02 (2013.01 - EP US); **A61F 9/0026** (2013.01 - EP US)

Citation (search report)

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- See references of WO 03065967A1

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WO 03065967 A1 20030814; AU 2002227794 A1 20030902; AU 5785601 A 20020214; AU 774645 B2 20040701; AU PQ930900 A0 20000831; CN 1285328 C 20061122; CN 1625382 A 20050608; EP 1474089 A1 20041110; EP 1474089 A4 20060906; JP 2005516680 A 20050609; US 2006011657 A1 20060119

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