

Title (en)
DISPENSING DEVICE

Title (de)
ABGABEVORRICHTUNG

Title (fr)
DISPOSITIF DE DISTRIBUTION

Publication
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Application
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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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