

Title (en)

CLOSURE OR STOPPER FORMS A SURFACE TENSION SEAL

Title (de)

VERSCHLUSS ODER STOPFEN ZUR BILDUNG EINER OBERFLÄCHENSpannungsDichtung

Title (fr)

FERMETURE OU BOUCHON FORMANT UN JOINT SOUS L'EFFET DE LA TENSION SUPERFICIELLE

Publication

**EP 1549556 A4 20060830 (EN)**

Application

**EP 03794695 A 20030910**

Priority

- AU 0301181 W 20030910
- AU 2002951318 A 20020910

Abstract (en)

[origin: WO2004024584A1] A closure or stopper (20) for a container (10) to contain liquid, powder or paste, the container having means to define a first extremely flat annular surface (23), the closure comprising a sealing member (21) defining a second extremely flat surface (22), an annular groove (29) that locates an O-ring (30), and means such as thread (25) to urge the extremely flat surfaces into parallel abutting contact, the extremely flat surfaces adapted to form a surface tension seal when they are urged into parallel abutting contact and means to prevent lateral or shear relative movement. Another form of the closure is the sealing member being a disc (66) that seats on the flat annular sealing surface (67) defined by the top of the neck (12) of a bottle to form a seal, and a metal cap (65) to place the seal under axial load and protects the seal from vibration.

IPC 1-7

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IPC 8 full level

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