

Title (en)  
EASY-TO-OPEN VALVE CLOSURE

Title (de)  
LEICHT ZU ÖFFNENDER VENTILVERSCHLUSS

Title (fr)  
FERMETURE À VALVE FACILE À OUVRIR

Publication  
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Application  
**EP 11794436 A 20111125**

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Abstract (en)  
[origin: WO2012072521A1] The invention relates to an easy-to-open valve closure (10) for bottles, having a stationary valve inner part (1), which can be placed onto a bottle neck and has a valve stopper (2) and devices (22, 23) for sealed-off fixing to the bottle neck, and having an axially movable valve outer part (11), which has a head plate (14) having a valve opening (12) for engagement with the valve stopper (2) and a screw cap (13) which is connected to the head plate (14) and has an internal thread (18) having a nominal radius (r) and is engaged with the external thread (8) of a threaded connection piece (4) which is permanently connected to the valve stopper (2). In order to provide a corresponding valve closure which can be used in the usual manner as a push/pull closure and which sits firmly and tightly on a valve inner part even during the shaking which usually occurs, but also enables simple and rapid opening with only one hand, according to the invention the screw cap (13) is rigidly connected to an actuation lever (16, 15; 16'), which extends radially outwards from the screw cap (13) so that the lever radius (R) defined by the radially outer end (15, 16b) of the actuation lever (16, 15; 16') has a distance from the axis of the screw cap which is at least 20% greater than the nominal radius (r) of the internal thread (14).

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