

Title (en)

SAFETY CLOSURE FOR STEAM-PRESSURIZED CONTAINERS OF HOUSEHOLD APPLIANCES

Title (de)

SICHERHEITSVERSCHLUSS FÜR UNTER DAMPFDRUCK STEHENDE BEHÄLTER VON HAUSHALTSGERÄTEN

Title (fr)

FERMETURE DE SURETE POUR DES RECIPIENTS SOUS PRESSION DE LA VAPEUR DESTINES A DES APPAREILS MENAGERS

Publication

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Application

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Abstract (en)

[origin: WO2006050845A1] The invention relates to a safety closure (10) for steam-pressurized containers of household appliances, such as steam irons, steam cleaners and the like. Said safety closure is provided with an inner part (12) that can be screwed onto the filling hole of the container, and with an outer part (11) in the shape of a grip cap. A coupling element (15) is provided between the inner part (12) and the outer part (11) and can be axially displaced against the effect of a spring (49) by a drive controlled by the internal container pressure in such a manner that the outer part (11) and the inner part (12) are interconnected in a rotationally fixed manner when the container is not pressurized, said connection being neutralized when the container is pressurized. The aim of the invention is to provide a safety closure (10) whose components that are exposed to the pressure are more solid and therefore function more reliably and whose drive (14) at the same time serves as a protection from an inadmissibly high excess pressure. For this purpose, the drive (14) for the coupling element (15) is configured by a valve support (16) which is axially mobile inside the inner part (12) and which can be placed on the coupling element (15) against the axial effect of a spring (49).

[origin: WO2006050845A1] The closure has inner and outer parts, where the parts are interconnected in a rotationally fixed manner. A coupling unit (15) is provided between the inner part and the outer part. A drive (14) is provided for the coupling unit, and a valve support (16) is axially movable inside the inner part. The valve support is provided on the coupling unit that is axially displaced against the effect of a spring by an internal container pressure.

IPC 8 full level

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