

Title (en)

SAFETY VALVE FOR A GAS BOTTLE AND GAS BOTTLE INCLUDING SUCH VALVE

Title (de)

SICHERHEITSVENTIL FÜR EINE GASFLASCHE UND GASFLASCHE MIT SOLCH EINEM VENTIL

Title (fr)

VALVE DE SÉCURITÉ POUR UNE BOUTEILLE DE GAZ ET BOUTEILLE DE GAZ COMPRENANT UNE TELLE SOUPAPE

Publication

**EP 3643959 A1 20200429 (EN)**

Application

**EP 19204706 A 20191022**

Priority

IT 201800009658 A 20181022

Abstract (en)

The invention relates to a safety valve (10) of a gas bottle (1); the valve (10) is made entirely of an elastically deformable material, has a longitudinal axis (A) and comprises a fixed part (11) and a movable part (12) both being together a single component; the fixed part (11) comprises an annular flange (13) fixable to the inside of the bottle (1) around a pierceable portion (4) thereof; the movable part (12) extends in a cantilever fashion from the flange (13) and comprises a sealing portion (14) arranged in a radially innermost position with respect to the flange (13) and elastically loaded between a normal sealing condition, wherein it is elastically loaded in a first axial direction (R) against a wall (3) of the bottle (1) around the pierceable portion (4), and a condition of opening, obtained by means of an external thrust in a second direction (T) along said axis (A), opposite to said first direction (R); the movable part (12) further comprises a plurality of petals (15) equally spaced angularly from one another around the axis (A), delimiting respective through windows (16) between one another and connecting the flange (13) to the sealing portion (14).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

WO 2015092447 A1 20150625 - CORAL GAS A E B E Y [GR]

Citation (search report)

- [X] GR 1008914 B 20161221 - NATSIS PANAGIOTIS STAVROU [GR]
- [X] EP 1406041 A2 20040407 - GUILBERT EXPRESS SA [FR]
- [A] EP 3287686 A1 20180228 - SPECIAL COMPONENTS S R L [IT]
- [A] GR 20150100357 A 20170410 - NIKOLAOS BAZIGOS ANONYMI VIOTECHNIKI KAI EMPORIKI ETAIREIA KATASKEVIS KALOUPION KAI EXARTIMATON AKRI [GR]

Cited by

IT202100004934A1

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