

Title (en)
A PRESSURIZED FLUID CARTRIDGE

Title (de)
DRUCKFLUIDPATRONE

Title (fr)
CARTOUCHE DE FLUIDE SOUS PRESSION

Publication
EP 4098930 A1 20221207 (EN)

Application
EP 22170174 A 20220427

Priority
IT 202100014129 A 20210531

Abstract (en)
A pressurized fluid cartridge comprising:i) a bottom (21), a lateral wall (22) and an upper wall (23) opposite the bottom (21);ii) a safety means (3) that opposes the leak of fluid from the cartridge (1) after perforation of a predetermined perforable part (231) afforded in the upper wall (23).The safety means (3) comprises:*) a fluid dynamic seal means (4) which in a fluid dynamic seal configuration contacts the upper wall (23) along an imaginary closed line which surrounds said predetermined perforable part (231);*) a flexible strip (5) which pushes said seal means (4) towards the upper wall (23).The strip (5) defines:- a housing cup (50) in which the fluid dynamic seal means (4) is at least partially housed;- at least a first and a second arm (51, 52) which, from an intermediate zone (53) of the strip (5) in which said cup (50) is afforded, extend towards the lateral wall (22), said cup (50) being made of the same material and in a single body with the first and the second arm (51, 52).

IPC 8 full level
F17C 1/00 (2006.01)

CPC (source: EP)
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Citation (search report)

- [XAI] EP 1406041 A2 20040407 - GUILBERT EXPRESS SA [FR]
- [XI] WO 2019002895 A1 20190103 - IGM TECHNIKI EMPORIKI EPE [GR]
- [X] GR 20180100278 A 20200213 - IGM TECHNIKI EMPORIKI ETAIREIA PERIORISMENIS EFTHYNIS ME D T IGM EPE [GR]
- [A] EP 2803897 A2 20141119 - PROVIDUS S R L [IT]
- [A] EP 3088791 A1 20161102 - RAVIOLO MARCO [IT], et al
- [A] EP 2913578 A2 20150902 - EL GAZ S A [GR]

Designated contracting state (EPC)
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