

Title (en)
PROCESS FOR FILLING PRESSURIZED-GAZ PACKS.

Title (de)
VERFAHREN ZUR BEFÜLLUNG VON DRUCKGASPACKUNGEN.

Title (fr)
PROCEDE POUR REMPLIR DES CONDITIONNEMENTS DE GAZ COMPRIME.

Publication
EP 0434821 B1 19940330 (DE)

Application
EP 90911421 A 19900719

Priority
DE 3923903 A 19890719

Abstract (en)
[origin: WO9101252A1] The invention concerns a process for filling pressurized-gas packs, as well as the pressurized-gas packs themselves which comprise a casing (1) containing a pressurizing agent and in which is located at least one flexible bag (2) designed to hold the liquid constituting the contents of the pack. The interior of the flexible bag (2) is closed off by a valve (6) located in the region of the mouth (4) of the casing (1). In order to improve the above-mentioned process and the associated pressurized-gas pack, so that not only any pressurizing agent, in particular air, but also commercially available casks can be used and the whole filling operation carried out in a relatively short time and hence with correspondingly less expenditure of resources, it is proposed that the flexible bag (2) is accommodated in the casing (1) in such a way that there is a gap (5) between the edge (3) of the bag opening and the mouth (4) of the casing (1), and the pressurizing agent is introduced through this gap (5). The edge (3) of the bag opening is hermetically closed off together with the mouth (4) of the casing (1) by the valve(6) which is actuated for the interior of the bag (2) to be evacuated and actuated again for the contents to be introduced into the bag (2). The interior of the bag (2) is evacuated by connecting it to a vacuum. The bag (2) is designed as a gusset bag with the gussets facing inwards.

IPC 1-7
B65B 31/00

IPC 8 full level
B65D 83/34 (2006.01); **B65B 31/00** (2006.01); **B65D 83/36** (2006.01)

CPC (source: EP US)
B65B 31/00 (2013.01 - EP US); **F17C 2201/018** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9101252 A1 19910207; AT E103552 T1 19940415; CA 2037055 A1 19910120; DE 3923903 A1 19910124; DE 59005196 D1 19940505; DK 0434821 T3 19950327; EP 0434821 A1 19910703; EP 0434821 B1 19940330; ES 2054367 T3 19940801; JP H04500793 A 19920213; US 5505039 A 19960409

DOCDB simple family (application)
EP 9001182 W 19900719; AT 90911421 T 19900719; CA 2037055 A 19900719; DE 3923903 A 19890719; DE 59005196 T 19900719; DK 90911421 T 19900719; EP 90911421 A 19900719; ES 90911421 T 19900719; JP 51084890 A 19900719; US 65936291 A 19910314