

Title (en)  
Air intake valve for containers containing liquid products

Title (de)  
Lufteinlassventil für Behälter mit Flüssigprodukten

Title (fr)  
Soupape d'admission d'air pour conteneurs de produits liquides

Publication  
**EP 2208684 A1 20100721 (EN)**

Application  
**EP 09150856 A 20090119**

Priority  
EP 09150856 A 20090119

Abstract (en)  
An air intake valve (10) for a container (12) for liquid products is described of the kind provided with an exit hole (14) for the liquid contained inside of it. The valve (10) comprises a first cylindrical element (16), externally provided with a threading (26) and internally with a through hole (18) for air and configured to be fixedly connected to one of the walls of the container (12), and a cylindrical covering capsule (20), closed by a bottom plate (22) at its upper end and provided, along its inner side surface, with a female screw (24) able to be operatively coupled with a threading (26). The valve (10) is configured so as to pass from a first closed position or resting position, in which the covering capsule (20) is in a lowered position and is completely screwed on to the first cylindrical element (16) to obstruct the through hole (18), and a second open position or working position, in which the covering capsule (20) is in a raised position and at least partially unscrewed from first cylindrical element (16). On the side surface of the covering capsule (20) at least one through slit (28) is made that allows air to be taken into the container (12), through the through hole (18) of the first cylindrical element (16), when the valve (10) is in the second open position and when the liquid contained in the container (12) is dispensed through the exit hole (14).

IPC 8 full level  
**B65D 41/04** (2006.01); **B65D 41/34** (2006.01); **B65D 51/16** (2006.01); **B65D 53/02** (2006.01); **B65D 53/04** (2006.01); **B65D 77/22** (2006.01)

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**B65D 41/0471** (2013.01); **B65D 41/3428** (2013.01); **B65D 51/1688** (2013.01); **B65D 53/02** (2013.01); **B65D 53/04** (2013.01); **B65D 2401/25** (2020.05)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
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