

Title (en)

Rotary filling machine for filling containers with liquids

Title (de)

Rotationsfüllmaschine zur Füllung von Behältern mit Flüssigkeiten

Title (fr)

Machine rotative de remplissage pour le remplissage de récipients avec du liquide

Publication

**EP 1995208 B2 20151118 (EN)**

Application

**EP 07120506 A 20071112**

Priority

IT VI20070100 A 20070403

Abstract (en)

[origin: EP1995208A1] Rotary filling machine for filling containers with liquids, which comprises a rotating carousel (4) having, mounted along its periphery, a plurality of filling valves (6). Each filling valve (6) has an outer pipe (7) for supplying the liquid from a storage tank (20) to a container (30) to be filled with said liquid, and an inner compensation pipe (8) for defining the liquid level inside said container (3) mounted concentrically with the outer pipe (7). Actuator means are envisaged for each filling valve (6) and, by means of transmission means (101), vary simultaneously and in an adjustable manner the vertical position of the compensation pipes (8) of all the filling valves (6) with respect to the position of a seal (13) mounted underneath the tank (20) so as to receive against it the mouth of the containers (3).

IPC 8 full level

**B67C 3/26** (2006.01)

CPC (source: EP US)

**B67C 3/004** (2013.01 - EP US); **B67C 3/262** (2013.01 - EP US); **B67C 3/2637** (2013.01 - EP US); **B67C 2003/2651** (2013.01 - EP US); **B67C 2003/2668** (2013.01 - EP US)

Citation (opposition)

Opponent :

- WO 9903774 A1 19990128 - GRUPPO BERTOLASO SPA [IT], et al
- EP 1457457 A2 20040915 - FILLING SYSTEMS S R L [IT]
- DE 102005003222 A1 20060727 - KRONES AG [DE]
- EP 1544157 A1 20050622 - KHS MASCH & ANLAGENBAU AG [DE]
- EP 0628512 A1 19941214 - ORTMANN & HERBST MASCH GMBH [DE]
- DE 29615630 U1 19970410 - KRONSEDER MASCHF KRONES [DE]
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**EP 1995208 A1 20081126; EP 1995208 B1 20091007; EP 1995208 B2 20151118**; AR 065926 A1 20090708; AT E444936 T1 20091015; AU 2008201408 A1 20081023; CL 2008000958 A1 20090109; DE 602007002697 D1 20091119; ES 2333174 T3 20100217; ES 2333174 T5 20160308; IT VI20070100 A1 20081004; US 2008271812 A1 20081106

DOCDB simple family (application)

**EP 07120506 A 20071112**; AR P080101381 A 20080403; AT 07120506 T 20071112; AU 2008201408 A 20080326; CL 2008000958 A 20080402; DE 602007002697 T 20071112; ES 07120506 T 20071112; IT VI20070100 A 20070403; US 6147308 A 20080402