

Title (en)
Cup with a valve for drinking juice

Title (de)
Mit Ventil ausgerichter Trinkbecher für Säfte

Title (fr)
Gobelet à soupape pour jus

Publication
EP 1627586 A1 20060222 (EN)

Application
EP 05107240 A 20050805

Priority
US 92150904 A 20040819

Abstract (en)
A drinking vessel (20) with a cup (28) having a hollow inner body and an open end (60), a removable cap (22) for sealingly closing the open end (60), an outer surface with a spout and an air vent, and an inner surface with a tubular outlet passage and a tubular inlet passage. The cup (28) further contains a one-piece flow control valve (30) made of an elastomeric material. The flow control valve (30) contains an inlet valve and an outlet valve joined together by a connector bar. The outlet valve of parabolic configuration has a reinforcing ring and a partition wall, held in place by two jutting out walls that are part of the connector bar. The inlet valve has a tubular edge sitting on two wing-like projections holding a membrane with a slit. The tubular edge is integral with the connector bar and the two wing-like projections, with outlet and inlet valves fitting into the outlet and inlet passages, respectively.

IPC 8 full level
A47G 19/22 (2006.01)

CPC (source: EP US)
A47G 19/2272 (2013.01 - EP US)

Citation (applicant)

- US 5079013 A 19920107 - BELANGER RICHARD A [US]
- US 6250503 B1 20010626 - DARK RICHARD C G [US]
- US 6321931 B1 20011127 - NOURI E HAKIM [US], et al
- US 5542670 A 19960806 - MORANO EMANUEL P [US]
- US 6050445 A 20000418 - MANGANIELLO FRANCIS X [US]
- US 6102245 A 20000815 - HABERMAN MANDY NICOLA [GB]

Citation (search report)

- [A] US 2003209555 A1 20031113 - BELCASTRO DOMENIC [US]
- [A] EP 0838184 A1 19980429 - ROBBINS EDWARD S III [US]
- [A] US 2001042755 A1 20011122 - BELCASTRO DOMENIC [US]
- [A] US 6758364 B1 20040706 - ROEHRIG PETER [AT]
- [DA] US 6050445 A 20000418 - MANGANIELLO FRANCIS X [US]
- [DA] US 5542670 A 19960806 - MORANO EMANUEL P [US]

Cited by
FR2904610A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1627586 A1 20060222; EP 1627586 B1 20080521; AT E395850 T1 20080615; DE 602005006910 D1 20080703; ES 2306017 T3 20081101; US 2006037963 A1 20060223

DOCDB simple family (application)
EP 05107240 A 20050805; AT 05107240 T 20050805; DE 602005006910 T 20050805; ES 05107240 T 20050805; US 92150904 A 20040819