

Title (en)  
NO-SPILL DRINKING CUP APPARATUS

Title (de)  
AUSLAUFGESCHÜTZTES TRINKBECHER

Title (fr)  
RECIPIENT A BOIRE ANTIFUITE

Publication  
**EP 1104252 A4 20021018 (EN)**

Application  
**EP 99943860 A 19990820**

Priority  
• US 9919238 W 19990820  
• US 13858898 A 19980821  
• US 27177999 A 19990318

Abstract (en)  
[origin: WO0010434A1] A no-spill cup (22) and valve assembly (31) which provides a seal against accidental liquid flow. The sucking action at the cup spout creates negative pressure against a valve member (37, 39) near the spout (14) having an opening therein, causing the valve member (37, 39) and opening to move off of a protruding member, thereby unblocking the opening in the valve. When the opening is unblocked, liquid can flow freely through the valve and spout. When not in use, the valve sits in a closed position, with the opening in the valve sitting on a protruding member and pressed against the protruding member's base, sealing off the opening in the valve assembly (31). The closed position provides a seal against fluid leakage during inadvertent spills. The cup assembly allows variable liquid flow rates by rotating the position of the valve assembly in the cover (11) of the cup.

IPC 1-7  
**A47F 1/00**

IPC 8 full level  
**B65D 83/00** (2006.01); **A47G 19/22** (2006.01); **B65D 8/16** (2006.01); **B65D 41/04** (2006.01); **B65D 43/02** (2006.01); **B65D 47/06** (2006.01); **B65D 47/20** (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP US)  
**A47G 19/2272** (2013.01 - EP US); **B65D 43/0231** (2013.01 - EP US); **B65D 47/2031** (2013.01 - EP US); **B65D 51/16** (2013.01 - US); **B65D 51/165** (2013.01 - EP US); **B65D 2543/00046** (2013.01 - EP US); **B65D 2543/00092** (2013.01 - EP US); **B65D 2543/00296** (2013.01 - EP US); **B65D 2543/00351** (2013.01 - EP US); **B65D 2543/00527** (2013.01 - EP US); **B65D 2543/00537** (2013.01 - EP US); **B65D 2543/00972** (2013.01 - EP US)

Citation (search report)  
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• See references of WO 0010434A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0010434 A1 20000302**; **WO 0010434 A9 20050317**; AR 022980 A1 20020904; AT E325565 T1 20060615; AU 5687499 A 20000314; BR 9906710 A 20001114; CA 2341418 A1 20000302; CA 2341418 C 20080520; CN 1324226 A 20011128; CN 1332860 C 20070822; CN 1515467 A 20040728; DE 69931264 D1 20060614; DE 69931264 T2 20070419; EP 1104252 A1 20010606; EP 1104252 A4 20021018; EP 1104252 B1 20060510; EP 1714592 A1 20061025; ES 2264825 T3 20070116; JP 2003530271 A 20031014; JP 4455761 B2 20100421

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**US 9919238 W 19990820**; AR P000101220 A 20000317; AT 99943860 T 19990820; AU 5687499 A 19990820; BR 9906710 A 19990820; CA 2341418 A 19990820; CN 200310102926 A 19990820; CN 99812329 A 19990820; DE 69931264 T 19990820; EP 06009518 A 19990820; EP 99943860 A 19990820; ES 99943860 T 19990820; JP 2000565764 A 19990820