

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
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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.

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IPC 8 full level
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Citation (search report)
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