

Title (en)

COMBINED VALVE CUP AND BOTTOM ASSEMBLY FOR SELF-COOLING CONTAINER

Title (de)

VERBUNDBAU EINES VENTILTELLERS UND EINES BODENS FÜR SELBSTKÜHLENDE BEHÄLTER

Title (fr)

SYSTEME COMBINE DE FOND ET DE COUPELLE DE SOUPAPE POUR CONTENEUR A REFROIDISSEMENT AUTOMATIQUE

Publication

EP 0892905 A4 19991208 (EN)

Application

EP 97917859 A 19970403

Priority

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- US 62749696 A 19960404

Abstract (en)

[origin: WO9738271A1] A self-cooling container including a combined valve cup and bottom assembly (10) for securely engaging the HEU (16) to the can bottom where user activation occurs. The valve (22) is crimped directly into the valve cup (34) on the combined valve cup and bottom assembly. The HEU is then attached to the combined valve cup and bottom assembly of the present invention for cooling of the beverage as will be explained further herein. Preferably, the combined valve cup and bottom assembly is integrally attached to the body or side wall of the container, thereby forming a two-piece assembly. Alternatively, the combined valve cup, valve and bottom assembly is attached by crimping to the body or side wall of the container, thereby forming a three-piece assembly.

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CPC (source: EP KR)

F25D 3/08 (2013.01 - KR); **F25D 3/107** (2013.01 - EP); **F25D 2331/805** (2013.01 - EP)

Citation (search report)

- [DX] US 5325680 A 19940705 - BARROSO-LUJAN FRANCISCO J [MX], et al
- [DXY] US 4656838 A 19870414 - SHEN HWANG K [TW]
- [Y] US 3257821 A 19660628 - WARNER JOHN M
- See references of WO 9738271A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 9738271 A1 19971016; AU 2607697 A 19971029; BR 9711083 A 19990817; CA 2251176 A1 19971016; CN 1218552 A 19990602; EP 0892905 A1 19990127; EP 0892905 A4 19991208; IL 126417 A0 19990509; JP 2000508418 A 20000704; KR 20000005211 A 20000125; TR 199801998 T2 20000821

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