

Title (en)

SELF-COOLING CONTAINER INCLUDING LINER MEMBER, VALVE WITH AUTOMATIC SHUT-OFF AND OVERCAP PROTECTION

Title (de)

SELBSTKÜHLENDER BEHÄLTER MIT EINSATZELEMENT, VENTIL MIT SELBSTTÄTIGEM ABSCHLUSS UND ABDECKKAPPENSCHUTZ

Title (fr)

RECIPIENT AUTOREFRIGERANT COMPRENANT UN GARNISSAGE INTERIEUR, UNE VANNE AVEC FERMETURE AUTOMATIQUE ET UNE PROTECTION DE SURBOUCHAGE

Publication

**EP 0830551 A1 19980325 (EN)**

Application

**EP 96916590 A 19960523**

Priority

- US 9607575 W 19960523
- US 44913195 A 19950524
- US 65105996 A 19960521

Abstract (en)

[origin: WO9637742A1] A self-cooling container (10) including a heat exchange unit (24) mounted to the bottom portion of the container such that a portion of the stem valve (50) protrudes from the bottom of the container for cooling a product, such as a beverage. The heat exchange unit (24) includes a chamber (28) for containing a quantity of a gas, the chamber including a wall (32) in contact with the medium to be cooled, a valve (54) for controlling the release of the gas from the chamber, a liner member (34) disposed concentric and inside the wall of the chamber for facilitating flow of the gas throughout the heat exchange unit, and a means for exhausting the gas from the chamber. The liner member includes a plurality of ribs spaced along an outer surface of the liner member to form a plurality of channels (42) when the liner member is disposed adjacent the wall.

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IPC 8 full level

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Citation (search report)

See references of WO 9637742A1

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