

Title (en)
Sealing membrane with a pressure relief valve

Title (de)
Verschlussmembrane mit Überdruckventil

Title (fr)
Membrane de fermeture avec soupape de surpression

Publication
EP 0967160 B1 20030423 (DE)

Application
EP 98810578 A 19980624

Priority
EP 98810578 A 19980624

Abstract (en)
[origin: EP0967160A1] The membrane (11) has an inner and an outer film (15,16), and a connection layer (17) with a seal seam zone (13). The seal seam zone contains an intermediate space (21) without connection layer, and outer and inner films having an opening (20,19) within a space containing a material (18), which softens when heated. The openings of outer and inner films are connected for a fluid flow (23). When the membrane is subjected to heat, the openings in the films are sealed due to softening of the material. The cover is for bottles, jars, goblets, bowls, of plastic, ceramics, glass, metal, and for bags.

IPC 1-7
B65D 77/22

IPC 8 full level
B65D 77/22 (2006.01)

CPC (source: EP US)
B65D 77/225 (2013.01 - EP US); **Y10T 428/24322** (2015.01 - EP US)

Citation (examination)
EP 0547941 A1 19930623 - CONST DE MATERIEL METALLIQUE E [FR]

Cited by
FR2796923A1; EP2871134A1; NL1016978C2; EP4136037A4; EP1991060A4; IT202000017824A1; DE102006017834A1; EP4342745A1; DE102006036137A1; FR2796924A1; WO02051716A1; WO0109003A1

Designated contracting state (EPC)
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EP 0967160 A1 19991229; EP 0967160 B1 20030423; AT E238206 T1 20030515; BR 9902625 A 20000104; BR 9902625 B1 20081118; CA 2276120 A1 19991224; DE 59808070 D1 20030528; DK 0967160 T3 20030811; ES 2193501 T3 20031101; US 6182850 B1 20010206

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EP 98810578 A 19980624; AT 98810578 T 19980624; BR 9902625 A 19990624; CA 2276120 A 19990621; DE 59808070 T 19980624; DK 98810578 T 19980624; ES 98810578 T 19980624; US 32842699 A 19990609