

Title (en)

MULTILAYERED PLASTIC CONTAINER

Title (de)

MEHRSCHEINTIGER KUNSTSTOFFBEHÄLTER

Title (fr)

CONTENANT EN PLASTIQUE MULTICOUCHES

Publication

EP 1515895 A4 20090610 (EN)

Application

EP 03737186 A 20030618

Priority

- US 0319320 W 20030618
- US 39200602 P 20020625
- US 46162303 A 20030613

Abstract (en)

[origin: US2003235667A1] A three or more layered plastic container is provided, wherein the innermost first layer is a plastic layer, the intermediate second layer is a plastic layer adjacent the first layer containing an oxygen scavenging material, and the outermost third layer is a plastic layer. The thickness of the innermost layer is in the range of 0.1 to 3 mils and is controlled based on the desired shelf life of the container in the unfilled condition.

IPC 1-7

B65D 1/00

IPC 8 full level

B32B 27/00 (2006.01); **B32B 27/08** (2006.01); **B65D 1/02** (2006.01); **B65D 8/16** (2006.01); **B65D 81/26** (2006.01); **B32B 37/15** (2006.01)

CPC (source: EP US)

B32B 27/08 (2013.01 - EP US); **B65D 1/0215** (2013.01 - EP US); **B65D 81/266** (2013.01 - EP US); **B29B 11/08** (2013.01 - EP US);
B29B 11/10 (2013.01 - EP US); **B29B 11/14** (2013.01 - EP US); **B29C 49/071** (2022.05 - EP); **B29C 2949/0715** (2022.05 - EP);
B29C 2949/073 (2022.05 - EP US); **B29C 2949/0773** (2022.05 - EP US); **B29C 2949/0777** (2022.05 - EP US);
B29C 2949/0819 (2022.05 - EP US); **B29C 2949/3008** (2022.05 - EP US); **B29C 2949/3012** (2022.05 - EP US);
B29C 2949/3016 (2022.05 - EP US); **B29C 2949/302** (2022.05 - EP US); **B29C 2949/3028** (2022.05 - EP US);
B29C 2949/3032 (2022.05 - EP US); **B29C 2949/3042** (2022.05 - EP US); **B29K 2023/06** (2013.01 - EP US); **B29K 2023/086** (2013.01 - EP US);
B29K 2023/12 (2013.01 - EP US); **B29K 2025/00** (2013.01 - EP US); **B29K 2027/06** (2013.01 - EP US); **B29K 2027/18** (2013.01 - EP US);
B29K 2055/02 (2013.01 - EP US); **B29K 2067/00** (2013.01 - EP US); **B29K 2067/006** (2013.01 - EP US); **B29K 2069/00** (2013.01 - EP US);
B29K 2077/00 (2013.01 - EP US); **B29K 2081/06** (2013.01 - EP US); **B29K 2105/258** (2013.01 - EP US); **B29K 2105/26** (2013.01 - EP US);
B29K 2995/0067 (2013.01 - EP US); **B29L 2031/7158** (2013.01 - EP US); **B32B 37/153** (2013.01 - EP US); **B32B 2272/00** (2013.01 - EP US);
B32B 2305/70 (2013.01 - EP US); **B32B 2307/74** (2013.01 - EP US); **Y10T 428/1352** (2015.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2004000659A2

Citation (examination)

US 5464106 A 19951107 - SLAT WILLIAM A [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2003235667 A1 20031225; AU 2003238289 A1 20040106; AU 2003238289 A8 20040106; CA 2490240 A1 20031231;
CA 2490240 C 20100914; EP 1515895 A2 20050323; EP 1515895 A4 20090610; US 2005112308 A1 20050526; WO 2004000659 A2 20031231;
WO 2004000659 A3 20040226

DOCDB simple family (application)

US 46162303 A 20030613; AU 2003238289 A 20030618; CA 2490240 A 20030618; EP 03737186 A 20030618; US 0319320 W 20030618;
US 2371504 A 20041228