

Title (en)
DISPOSABLE CONTAINERS COATED WITH A LATEX COATING

Title (de)
WEGWERFBEHÄLTER MIT LATEXÜBERZUG

Title (fr)
RECIPIENTS JETABLES RECOUVERTS D'UN REVETEMENT EN LATEX

Publication
EP 1722963 A2 20061122 (EN)

Application
EP 04814841 A 20041216

Priority
• US 2004042703 W 20041216
• US 53178503 P 20031222

Abstract (en)
[origin: US2005153088A1] A molded thermoplastic container e.g. cup, bowl made from expandable thermoplastic particles e.g. expandable polystyrene, has a latex coating, e.g. latex of methyl methacrylate and styrene copolymer, latex of methyl acrylate and styrene copolymer, latex of acrylic acid and styrene copolymer, and latex of butadiene and styrene copolymer, applied to at least its inner surface via dipping, brushing or spraying processes for improved leakage and/or stain resistance and/or storage longevity. The coating may be applied to the outer surface of the container for leak resistance and printing purposes. A related method for forming the container, an article of manufacture, and an improved method for storing liquid and food substances are also disclosed.

IPC 8 full level
B29D 22/00 (2006.01); **B05D 1/36** (2006.01); **B29D 23/00** (2006.01); **B65D 1/00** (2006.01); **B65D 1/28** (2006.01); **B65D 23/00** (2006.01); **C08J 7/04** (2006.01)

CPC (source: EP KR US)
B65D 1/28 (2013.01 - EP US); **B65D 23/08** (2013.01 - KR); **B65D 25/34** (2013.01 - KR); **B65D 85/00** (2013.01 - KR); **C08J 7/0427** (2020.01 - EP US); **B29C 49/42828** (2022.05 - EP); **B29K 2025/00** (2013.01 - EP US); **B29K 2105/0064** (2013.01 - EP US); **B29K 2105/048** (2013.01 - EP US); **C08J 2325/06** (2013.01 - EP US); **C08J 2433/00** (2013.01 - EP US); **Y10T 428/1352** (2015.01 - EP US)

Citation (search report)
See references of WO 2005062825A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
US 2005153088 A1 20050714; AU 2004308334 A1 20050714; BR PI0417963 A 20070327; CA 2549781 A1 20050714; CN 1972798 A 20070530; EP 1722963 A2 20061122; JP 2007515355 A 20070614; KR 20060126534 A 20061207; MX PA06007127 A 20060831; RU 2312873 C1 20071220; WO 2005062825 A2 20050714; WO 2005062825 A3 20060921

DOCDB simple family (application)
US 1464804 A 20041216; AU 2004308334 A 20041216; BR PI0417963 A 20041216; CA 2549781 A 20041216; CN 200480040867 A 20041216; EP 04814841 A 20041216; JP 2006547202 A 20041216; KR 20067013708 A 20060707; MX PA06007127 A 20041216; RU 2006126716 A 20041216; US 2004042703 W 20041216