

Title (en)
Spill-proof disposable container

Title (de)
Verschüttungssicherer Einwegbehälter

Title (fr)
Récipient jetable anti-gouttes

Publication
EP 1354804 A1 20031022 (EN)

Application
EP 02007847 A 20020408

Priority
EP 02007847 A 20020408

Abstract (en)
A disposable cup is equipped at the cup opening with an integrated spill resistant lid structure (S) formed by at least four identical, inwardly foldable lid flaps (F). Each lid flap (F) is connected to the cup body (D) in a first arcuate fold line (L1) concave towards the cup opening (A). Adjacent lid flap side edge regions are interconnected pair-wise along second fold lines (F) which in the unfolded condition of the lid flaps extend from the points (8) of intersection between adjacent first arcuate fold lines (L1) along cup cone generatrices (G) to the free lid flap edge (3, 3'). Each lid flap (F) further comprises a pair of third fold lines (L3) extending straight from the point (8) of intersection to a third fold line end point (9) at the free lid flap edge (3,3'). The third fold line end point (9) is located between the adjacent second fold line end point (12) and the centre (10) of the free lid flap edge (3, 3') so that symmetrical lid flap side wings (W) are formed. The lid flaps (F) in their inwardly folded condition at least substantially abut one another along two adjacent third fold lines (L3) <IMAGE>

IPC 1-7
B65D 3/20

IPC 8 full level
B65D 3/20 (2006.01)

CPC (source: EP)
B65D 3/20 (2013.01)

Citation (applicant)
• US 6176420 B1 20010123 - SARSON GEORGE E [CA], et al
• US 2160488 A 19390530 - RINGLER WILLIAM A

Citation (search report)
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• [Y] GB 1293644 A 19721018 - BARFORD JOINERY MILLS LTD
• [YA] US 2603400 A 19520715 - HOLLINSHEAD JAMES A
• [A] GB 610683 A 19481019 - CALDECOT PRESS LTD, et al
• [A] US 3977594 A 19760831 - SWAN WALTER B

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1354804 A1 20031022; EP 1354804 B1 20050914; AT E304480 T1 20050915; DE 60206135 D1 20051020; DE 60206135 T2 20060119; DK 1354804 T3 20051227; ES 2248433 T3 20060316; PT 1354804 E 20051130; SI 1354804 T1 20051231

DOCDB simple family (application)
EP 02007847 A 20020408; AT 02007847 T 20020408; DE 60206135 T 20020408; DK 02007847 T 20020408; ES 02007847 T 20020408; PT 02007847 T 20020408; SI 200230197 T 20020408