

Title (en)
DISC REMOVAL END WALL STRUCTURE WITH SAFETY FEATURES

Publication
EP 0299013 A4 19901128 (EN)

Application
EP 88900752 A 19871223

Priority
• US 8703418 W 19871223
• US 8700102 W 19870123
• US 8702649 W 19870929

Abstract (en)
[origin: WO8805407A1] A full-open end wall structure (27) comprises a back scoreline central portion (40, 52) which is ruptured by Class 2 lever action upon lifting of a longitudinally rigid (non-lanced) tab opener (30, 51); the back scoreline legs (35, 36; 53, 54) help to determine the fulcrum axis for the tab opener (30, 51) as chisel point (33) at its working end ruptures a minor portion of peripheral scoreline (34) by Class 1 lever action. Continued movement of the handle end (37) of tab opener in the direction (46) toward the user, into contact with chime seam (47) provides for continued lever-action rupture of the peripheral scoreline by Class 1 lever action in which the chime seam acts as the fulcrum. Multi-layer folds of sheet metal, providing between layers transition-zone rounded-edge metal (73, 78) for shielding the raw edge of ruptured residual scoreline metal, are prefolded on the removable disc portion and that portion of the end closure structure which remains with the container.

IPC 1-7
B65D 17/34; **B65D 17/40**

IPC 8 full level
B21D 51/38 (2006.01); **B65D 17/34** (2006.01); **B65D 47/36** (2006.01); **H04N 7/167** (2006.01)

CPC (source: EP KR)
B21D 51/383 (2013.01 - EP); **B65D 17/00** (2013.01 - KR); **B65D 17/4011** (2017.12 - EP); **B65D 2517/0079** (2013.01 - EP)

Citation (search report)
• [X] CH 513748 A 19711015 - AMERICAN CAN CO [US]
• [X] US 4044915 A 19770830 - LACROCE LEONARD THOMAS, et al
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• [Y] FR 1414662 A 19651015 - CONTINENTAL CAN CO
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• See references of WO 8805407A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8805407 A1 19880728; DK 523488 A 19881117; DK 523488 D0 19880920; EP 0299013 A1 19890118; EP 0299013 A4 19901128; FI 884354 A0 19880922; FI 884354 A 19880922; KR 890700523 A 19890425; NO 884196 D0 19880922; NO 884196 L 19881109; NZ 223134 A 19890829

DOCDB simple family (application)
US 8703418 W 19871223; DK 523488 A 19880920; EP 88900752 A 19871223; FI 884354 A 19880922; KR 880701156 A 19880923; NO 884196 A 19880922; NZ 22313488 A 19880108