

Title (en)
EASY-ACCESS SHEET METAL CONTAINER STRUCTURES

Publication
EP 0460200 A4 19931215 (EN)

Application
EP 91902933 A 19901220

Priority
US 45436189 A 19891221

Abstract (en)
[origin: WO9109784A1] Scoreline, profiling and reinforcing features are provided for an easy-access sheet metal end closure (20) and an integral opener (44). An endwall panel (28) is formed so as to substantially eliminate flexing of the sheet metal during opening of residual metal of scoreline means defining a U-shaped tear strip (30). Such tear strip is oriented with its arcuately-shaped closed end (32) contiguous to the periphery of such endwall panel with scoreline legs (34, 35) directed toward a portion at its geometric center (26). The opener is fabricated with a chisel-point (92) at its working end (66) to initiate rupture of such arcuate-shaped scoreline by Class 1 lever action; followed by pivoting of the opener about fulcrum points (82, 83) with one each contacting the panel on each side of opening (62) for rupturing such scoreline legs by Class 2 lever action. The opener and tear strip are retained and stored externally on the panel without obstructing the opening (62).

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B65D 41/32

IPC 8 full level
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CPC (source: EP US)
B21D 51/383 (2013.01 - EP); **B65D 17/28** (2017.12 - EP); **B65D 17/347** (2017.12 - EP US); **B65D 17/4012** (2017.12 - EP)

Citation (search report)

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- [Y] US 4096967 A 19780627 - KAMINSKI ELTON GEORGE
- [AD] US 4576305 A 19860318 - SAUNDERS WILLIAM T [US]
- See references of WO 9109784A1

Designated contracting state (EPC)
DE FR GB IT

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