

Title (en)

Thermoplastic bags.

Title (de)

Beutel aus thermoplastischem Material.

Title (fr)

Sacs en matière thermoplastique.

Publication

**EP 0016601 A1 19801001 (EN)**

Application

**EP 80300740 A 19800311**

Priority

US 2089979 A 19790315

Abstract (en)

The present invention relates to handled thermo-plastic bag structures which are designed to avoid stress concentration in the areas of the bag which are most susceptible to rupture. These areas occur principally around the cut-edges which are formed at the bag mouth or around minute nicks and tears immediately adjacent to the bag mouth edge and caused as a result of separating forces developed in an individual bag along a perforating line during typical loading operations. The bag structures are characterized by a plurality of pleats (15) being located along the edges of the bag mouth and in an area of the bag walls adjacent the lower portions of the handles.

IPC 1-7

**B65D 33/02**

IPC 8 full level

**B65D 33/06** (2006.01)

CPC (source: EP)

**B65D 33/065** (2013.01)

Citation (search report)

- [D] US 4085822 A 19780425 - OSBORN PAUL V
- [D] US 3352411 A 19671114 - AUGUST SCHWARZKOPF
- [D] US 3180557 A 19650427 - GUSTAF THULIN STEN

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US4613988A; FR2847157A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0016601 A1 19801001; EP 0016601 B1 19830216**; CA 1142898 A 19830315; DE 3061964 D1 19830324; ES 249356 U 19800816; ES 249356 Y 19810216

DOCDB simple family (application)

**EP 80300740 A 19800311**; CA 347368 A 19800310; DE 3061964 T 19800311; ES 249356 U 19800314