

Title (en)

Pressure tear valve

Title (de)

Druckventil mit Sollbruchstelle

Title (fr)

Soupape de pression avec zone de rupture

Publication

EP 1826140 A1 20070829 (EN)

Application

EP 06251007 A 20060224

Priority

EP 06251007 A 20060224

Abstract (en)

A pressure tear valve is provided comprising: a) a first sheet (101) b) a second sheet (102) in opposition to the first sheet (101); c) a notch (104) in a face of the first sheet (101) facing away from the second sheet (102), the notch (104) defining a first portion of first sheet (101) adjacent a first side of the notch (104) and a second portion of first sheet (101) adjacent a second side of the notch (104); and d) a weld (103) which welds the first portion only of the first sheet (101) to the second sheet (102) wherein the depth of the notch (104) is less than the thickness of the first sheet (101), and wherein the first sheet (101) and second sheet (102) comprise thermoplastic material. The pressure tear valve can be conveniently incorporated into microwave bag packaging for a frozen food preparation to relieve steam overpressure, by rupture of the notch, which builds up when the frozen food preparation is reheated.

IPC 8 full level

B65D 77/22 (2006.01); **B65D 81/34** (2006.01)

CPC (source: EP)

B65D 77/225 (2013.01); **B65D 81/3266** (2013.01); **B31B 70/855** (2017.07); **B65D 81/3461** (2013.01); **B65D 2205/00** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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