

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)

- [X] US 2004103989 A1 20040603 - LIN IRENE [TW]
- [X] FR 2536251 A1 19840525 - PIQUILLOUD PIERRE [FR]
- [A] EP 1067058 A1 20010110 - DANISCO FLEXIBLE FRANCE [FR]
- [A] EP 0933310 A1 19990804 - ACE PACKAGE CO LTD [JP], et al
- [A] EP 1103488 A1 20010530 - DANISCO FLEXIBLE FRANCE [FR]
- [A] EP 0015871 A1 19800917 - BATTELLE DEVELOPMENT CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 10 31 August 1999 (1999-08-31)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1826140 A1 20070829**

DOCDB simple family (application)

**EP 06251007 A 20060224**