

Title (en)

METHOD AND DEVICE FOR IMPROVING THE RIGIDITY OF A THERMOPLASTIC CONTAINER

Publication

EP 0362102 B1 19921230 (FR)

Application

EP 89470017 A 19890915

Priority

FR 8812717 A 19880926

Abstract (en)

[origin: WO9003263A1] In a process for improving the rigidity of a flexible, essentially parallelepipedal container obtained by shaping and welding a film (2) of synthetic material and which encases the liquid to be packaged, a so-called over-film consisting of a second layer of a film (5) of the same or a different material is applied before shaping to the surface of said film, which does not come into contact with the liquid to be packaged. The over-film consists of multiple strips corresponding to the vertical faces of the final package, said strips being welded to said film before it is shaped according to the lines corresponding to the edges of the final parallelepipedal container. Application: packaging of liquids, in particular in the foodstuffs industry.

IPC 1-7

B31B 1/90; **B31B 7/00**

IPC 8 full level

B31B 1/90 (2006.01); **B31B 7/00** (2006.01); **B65D 33/02** (2006.01); **B65D 75/00** (2006.01)

CPC (source: EP US)

B65D 33/02 (2013.01 - EP US); **B65D 75/008** (2013.01 - EP US); **B31B 50/8123** (2017.07 - EP US); **B31B 2105/00** (2017.07 - EP US); **B31B 2105/001** (2017.07 - EP US); **B31B 2120/408** (2017.07 - EP US)

Cited by

EP0729828A3; US11180280B2; EP2145831A1; WO2007101061A1

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0362102 A1 19900404; **EP 0362102 B1 19921230**; AT E83974 T1 19930115; AU 4306089 A 19900418; CA 1327514 C 19940308; CN 1042517 A 19900530; DE 68904152 D1 19930211; DE 68904152 T2 19930519; ES 2037991 T3 19930701; FR 2636883 A1 19900330; GR 3007120 T3 19930730; JP H03503031 A 19910711; PT 91793 A 19900330; US 5097651 A 19920324; WO 9003263 A1 19900405

DOCDB simple family (application)

EP 89470017 A 19890915; AT 89470017 T 19890915; AU 4306089 A 19890915; CA 612837 A 19890925; CN 89107468 A 19890926; DE 68904152 T 19890915; ES 89470017 T 19890915; FR 8812717 A 19880926; FR 8900468 W 19890915; GR 930400356 T 19930219; JP 50998989 A 19890915; PT 9179389 A 19890925; US 49933090 A 19900726