

Title (en)

Method of manufacturing multiple walled, preferably double walled, plastic bags

Title (de)

Verfahren zum Herstellen von mehrwandigen, vorzugsweise doppelwandigen Kunststoffbeuteln

Title (fr)

Méthode de production de sac plastique à paroi multiple, en particulier à paroi double

Publication

EP 0993933 A3 20000524 (DE)

Application

EP 99118937 A 19990925

Priority

DE 19847321 A 19981014

Abstract (en)

[origin: EP0993933A2] Several (e.g. two) double-layer film webs (4,6) with a width half that of the single-layer web are unwound from rolls (3,5) and unfolded to full width. The single-layer webs are laid on top of each other, then folded into a U, and then plastic bags are made from the folded webs using known plastic bag manufacturing techniques.

IPC 1-7

B31B 39/00; **B31B 39/36**

IPC 8 full level

B31B 23/00 (2006.01); **B31B 39/00** (2006.01); **B31B 70/00** (2017.01); **B31B 155/00** (2017.01); **B31B 160/10** (2017.01); **B31B 170/20** (2017.01)

CPC (source: EP US)

B31B 70/00 (2017.07 - EP US); **B31B 70/18** (2017.07 - EP US); **B31B 2155/00** (2017.07 - EP US); **B31B 2160/10** (2017.07 - EP US); **B31B 2160/106** (2017.07 - EP US); **B31B 2170/20** (2017.07 - EP US); **Y10S 493/922** (2013.01 - EP US)

Citation (search report)

- [X] US 4481669 A 19841106 - PEZZANA FRANCESCO [IT], et al
- [A] US 3082585 A 19630326 - WATERS HARRY F

Cited by

CN110861355A; WO2021035998A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0993933 A2 20000419; **EP 0993933 A3 20000524**; **EP 0993933 B1 20030723**; CA 2285819 A1 20000414; DE 19847321 A1 20000427; DE 59906341 D1 20030828; ES 2204043 T3 20040416; US 6416452 B1 20020709

DOCDB simple family (application)

EP 99118937 A 19990925; CA 2285819 A 19991013; DE 19847321 A 19981014; DE 59906341 T 19990925; ES 99118937 T 19990925; US 41573799 A 19991012