

Title (en)

BIAXIALLY ORIENTED FILM COMPRISING A LAYER CONSISTING OF ETHYLENE VINYL ALCOHOL COPOLYMER (EVOH)

Title (de)

BIAXIAL ORIENTIERTE FOLIE MIT EINER SCHICHT AUS ETHYLEN-VINYL-ALKOHOL-COPOLYMER (EVOH)

Title (fr)

FEUILLE A ORIENTATION BIAZIALE PRESENTANT UNE COUCHE DE COPOLYMERE ETHYLENE/ALCOOL VINYLIQUE (EVOH)

Publication

EP 1567332 A2 20050831 (DE)

Application

EP 03795852 A 20031128

Priority

- DE 10256110 A 20021129
- EP 0313438 W 20031128

Abstract (en)

[origin: WO2004050353A2] The invention relates to a method for producing a multi-layer biaxially oriented film comprising a layer C consisting of an ethylene-vinyl-alcohol copolymer (EVOH layer) and a respective layer B of a modified polyolefin on either side of said layer, with a layer A of a partially crystalline thermoplastic polyolefin on the surface of each modified polyolefin layer. The film is drawn in the longitudinal direction and then in the transversal direction by means of a tenter frame. The invention is characterised in that the EVOH layer C, the adhesion promoter layers B and layer A are coextruded with an equal width and that the clips of the frame grip all five layers simultaneously and collectively.

IPC 1-7

B32B 27/08; **B29C 55/20**; **B29C 55/02**

IPC 8 full level

B29B 15/12 (2006.01); **B29C 48/08** (2019.01); **B32B 27/08** (2006.01)

CPC (source: EP US)

B29C 48/08 (2019.01 - EP US); **B29C 48/21** (2019.01 - EP US); **B29C 48/307** (2019.01 - EP US); **B29C 48/865** (2019.01 - EP US); **B29C 48/914** (2019.01 - EP US); **B29C 48/9165** (2019.01 - EP US); **B29C 48/92** (2019.01 - EP US); **B29C 55/023** (2013.01 - EP US); **B29C 55/143** (2013.01 - EP US); **B32B 1/08** (2013.01 - US); **B32B 7/12** (2013.01 - US); **B32B 27/08** (2013.01 - EP US); **B32B 27/20** (2013.01 - US); **B32B 27/306** (2013.01 - US); **B32B 27/32** (2013.01 - US); **B32B 37/153** (2013.01 - EP US); **B29C 48/0018** (2019.01 - EP US); **B29C 2948/92704** (2019.01 - EP US); **B29C 2948/92904** (2019.01 - EP US); **B29C 2948/92961** (2019.01 - EP US); **B29K 2023/00** (2013.01 - EP US); **B29K 2023/086** (2013.01 - EP US); **B29K 2029/04** (2013.01 - EP US); **B29L 2009/00** (2013.01 - EP US); **B32B 2038/0028** (2013.01 - EP US); **B32B 2250/05** (2013.01 - US); **B32B 2250/246** (2013.01 - US); **B32B 2250/40** (2013.01 - US); **B32B 2307/518** (2013.01 - US); **B32B 2323/00** (2013.01 - US); **B32B 2329/00** (2013.01 - US); **B32B 2553/00** (2013.01 - US); **Y10T 428/1383** (2015.01 - EP US); **Y10T 428/31855** (2015.04 - EP US); **Y10T 428/31938** (2015.04 - EP US)

Citation (search report)

See references of WO 2004050353A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2004050353 A2 20040617; **WO 2004050353 A3 20040722**; AU 2003298148 A1 20040623; AU 2003298148 B2 20090122; EP 1567332 A2 20050831; MX PA05005706 A 20050726; US 2006172102 A1 20060803; US 7563399 B2 20090721; ZA 200503055 B 20051228

DOCDB simple family (application)

EP 0313438 W 20031128; AU 2003298148 A 20031128; EP 03795852 A 20031128; MX PA05005706 A 20031128; US 53637705 A 20050526; ZA 200503055 A 20050415