

Title (en)

POLYOLEFIN/FILLER FILMS HAVING INCREASED WVTR AND METHOD FOR MAKING

Title (de)

POLYOLEFIN-FÜLLSTOFF FOLIER MIT HOHER WASSERDAMPFDURCHLÄSSIGKEIT UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

FEUILS CHARGES EN POLYOLEFINE PRESENTANT UNE VITESSE ACCRUE DE TRANSMISSION DE VAPEUR D'EAU ET LEUR PROCEDE DE FABRICATION

Publication

**EP 1045760 A1 20001025 (EN)**

Application

**EP 97935261 A 19970731**

Priority

- US 9713578 W 19970731
- US 69110496 A 19960731

Abstract (en)

[origin: WO9805501A1] Films, made of polyethylenes and fillers, and articles made therefrom greater WVTR than previously available films based on conventional Zeigler-Natta based polyethylenes. The polyethylenes are produced in a metallocene-catalyzed production process. The films may be made by a cast film process, and may be made in widely varying filler content, generally polyethylene to filler ratios of 30/70 to 70/30. The metallocene based polyethylenes when combined with filler also permit the extrusion of thinner films leading to lighter weight and softer films. The m-polyethylenes utilized for making such films typically have a Composition Distribution Breadth Index above 50 %, a Mw/Mn below 3, and a Mz/Mw below 2.

IPC 1-7

**B32B 31/12**; **B32B 27/12**

IPC 8 full level

**B29C 55/00** (2006.01); **B32B 27/20** (2006.01)

CPC (source: EP US)

**B29C 55/005** (2013.01 - EP US); **B32B 27/08** (2013.01 - US); **B32B 27/20** (2013.01 - EP US); **B32B 27/32** (2013.01 - US); **B29K 2023/06** (2013.01 - EP US); **B29K 2023/0641** (2013.01 - EP US); **B29K 2023/083** (2013.01 - EP US); **B29K 2995/0068** (2013.01 - EP US); **B32B 2038/0028** (2013.01 - US); **B32B 2323/04** (2013.01 - US); **B32B 2555/02** (2013.01 - US)

Citation (search report)

See references of WO 9805501A1

Designated contracting state (EPC)

AT BE CH DE DK FI FR GB IT LI NL SE

DOCDB simple family (publication)

**WO 9805501 A1 19980212**; AU 3824597 A 19980225; CA 2262364 A1 19980212; EP 1045760 A1 20001025; US H1955 H 20010403

DOCDB simple family (application)

**US 9713578 W 19970731**; AU 3824597 A 19970731; CA 2262364 A 19970731; EP 97935261 A 19970731; US 69110496 A 19960731