

Title (en)
BIAXIALLY ORIENTED POLYETHYLENE FILMS

Title (de)
BIAXIAL ORIENTIERTE POLYETHYLENFILME

Title (fr)
FILMS DE POLYETHYLENE A ORIENTATION BIAZIALE

Publication
EP 0876250 A4 20000503 (EN)

Application
EP 96944865 A 19961218

Priority

- US 9620180 W 19961218
- US 877795 P 19951218
- US 75510596 A 19961122

Abstract (en)
[origin: WO9722470A1] Articles and films are provided from ethylene-based polymers made using a metallocene catalyst system. Biaxial orientation dramatically improves clarity, stiffness, dart drop impact, puncture resistance, and shrink. Tensile strength at yield and ultimate tensile are also improved. Film stiffness, as measured by secant modulus, is increased by 300 % over an unoriented film of the same ethylene polymer. These articles and films are useful as shrink wrap, overwrap, and for dry packaging applications such as snacks and cereals as well as non-packaging applications such as photograph and document holders.

IPC 1-7
C08J 5/18; **B32B 7/12**; **B32B 27/32**

IPC 8 full level
B29C 55/12 (2006.01); **C08F 10/02** (2006.01); **C08J 5/18** (2006.01)

CPC (source: EP KR)
C08J 5/18 (2013.01 - EP KR); **C08J 2323/04** (2013.01 - EP)

Citation (search report)

- [X] WO 9214784 A2 19920903
- [X] WO 9406857 A1 19940331 - EXXON CHEMICAL PATENTS INC [US]
- [A] WO 9500333 A1 19950105 - AMERICAN NATIONAL CAN CO [US]
- See also references of WO 9722470A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL SE

DOCDB simple family (publication)
WO 9722470 A1 19970626; AU 1336997 A 19970714; BR 9612068 A 19991228; CA 2239549 A1 19970626; EP 0876250 A1 19981111; EP 0876250 A4 20000503; HU P0001641 A1 20000928; IL 124590 A0 19981206; JP 2002515923 A 20020528; KR 20000064446 A 20001106; NO 982786 D0 19980617; NO 982786 L 19980814; NZ 326083 A 19990128; PL 327143 A1 19981123

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