

Title (en)

HEAT SEALABLE MONOAXIALLY ORIENTED PROPYLENE-BASED FILM WITH DIRECTIONAL TEAR

Title (de)

WÄRMEVERSIEGELBARE MONOAXIAL AUSGERICHTETE FOLIE AUF PROPYLENBASIS MIT DIREKTIONALEM ABRIS

Title (fr)

FILM À BASE DE PROPYLÈNE À ORIENTATION MONOAXIALE, THERMOSCELLABLE, AYANT UNE DÉCHIRURE DIRECTIONNELLE

Publication

EP 2855149 A4 20160406 (EN)

Application

EP 12877656 A 20120530

Priority

US 2012040024 W 20120530

Abstract (en)

[origin: WO2013180710A1] A monoaxially oriented film including an ethylene-propylene impact copolymer and 3-15 wt% of a metallocene-catalyzed propyl ene-butene elastomer and 30-60 wt% of a crystalline propylene homopolymer which is oriented at least 3 times in the machine direction and exhibits excellent linear directional tear properties in the machine direction for retort pouch applications and has excellent heat seal performance both pre- and post-retorting. This film formulation and orientation is suitable for pouch applications requiring an "easy-tear" linear tear feature and excellent hermetic seal properties, particularly for retort pouches.

IPC 8 full level

B32B 25/14 (2006.01); **B32B 27/08** (2006.01); **B32B 27/16** (2006.01); **B32B 27/32** (2006.01); **B32B 27/34** (2006.01); **C08J 5/18** (2006.01)

CPC (source: EP)

B32B 25/14 (2013.01); **B32B 27/08** (2013.01); **B32B 27/16** (2013.01); **B32B 27/32** (2013.01); **B32B 27/34** (2013.01); **C08J 5/18** (2013.01); **B32B 2250/242** (2013.01); **B32B 2255/10** (2013.01); **B32B 2255/205** (2013.01); **B32B 2270/00** (2013.01); **B32B 2307/31** (2013.01); **B32B 2307/516** (2013.01); **B32B 2439/40** (2013.01); **C08J 2323/12** (2013.01); **C08J 2323/16** (2013.01); **C08J 2423/14** (2013.01); **C08J 2423/16** (2013.01)

Citation (search report)

- [XYI] US 2012094042 A1 20120419 - LEE MARK S [US], et al
- [Y] US 2012028058 A1 20120202 - PAOLILLI TRACY A [US], et al
- See references of WO 2013180710A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013180710 A1 20131205; CA 2874726 A1 20131205; EP 2855149 A1 20150408; EP 2855149 A4 20160406; JP 2015527943 A 20150924; MX 2014014612 A 20150706

DOCDB simple family (application)

US 2012040024 W 20120530; CA 2874726 A 20120530; EP 12877656 A 20120530; JP 2015514971 A 20120530; MX 2014014612 A 20120530