

Title (en)  
MULTILAYER FILM

Title (de)  
MEHRSCHICHTFOLIE

Title (fr)  
FILM MULTICOUCHE

Publication  
**EP 2040920 A1 20090401 (DE)**

Application  
**EP 07785889 A 20070704**

Priority  
• EP 2007005896 W 20070704  
• DE 102006031841 A 20060707

Abstract (en)  
[origin: CA2656476A1] The invention relates to a multilayer film comprising a layer A which is based on a thermoplastic polymer or a mixture of several thermoplastic polymers having a melting point  $T_m A$  and a Vicat softening point  $TV A$  and has a maximum layer thickness of 40  $\mu m$ , and a layer B that directly adjoins layer A, is based on a thermoplastic polymer or a mixture of several thermoplastic polymers having a melting point  $T_m B$  and a Vicat softening point  $TV B$ , and has a maximum layer thickness of 50  $\mu m$ , wherein  $TV B < TV A$  and  $T_m B < T_m A$ ;  $TV B \leq 115^\circ C$ . The inventive multilayer film comprises at least one at least monoaxially oriented layer while comprising an external sealing layer. An area D that is printed and/or metallized and/or coated with a (semi)metal oxide is arranged between layer A and layer B. The minimum inter layer adhesion between layer A and layer B amounts to 1.0 N/15 mm.

IPC 8 full level  
**B32B 27/00** (2006.01); **B32B 7/027** (2019.01)

CPC (source: EP US)  
**B32B 7/027** (2018.12 - EP US); **B32B 27/00** (2013.01 - EP US); **B32B 27/08** (2013.01 - US); **B32B 27/32** (2013.01 - US); **B32B 27/34** (2013.01 - US); **B32B 27/36** (2013.01 - US); **B32B 2038/0028** (2013.01 - US); **B32B 2307/516** (2013.01 - US); **B32B 2323/04** (2013.01 - US); **B32B 2323/10** (2013.01 - US); **B32B 2367/00** (2013.01 - US); **B32B 2377/00** (2013.01 - US); **B32B 2439/70** (2013.01 - US); **Y10T 428/1334** (2015.01 - EP US); **Y10T 428/2495** (2015.01 - EP US); **Y10T 428/264** (2015.01 - EP US)

Citation (search report)  
See references of WO 2008003471A1

Cited by  
EP2987744A1; DE202014010749U1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**DE 102006031841 A1 20080110**; CA 2656476 A1 20080110; EP 2040920 A1 20090401; US 2009280278 A1 20091112; WO 2008003471 A1 20080110

DOCDB simple family (application)  
**DE 102006031841 A 20060707**; CA 2656476 A 20070704; EP 07785889 A 20070704; EP 2007005896 W 20070704; US 30742907 A 20070704