

Title (en)

MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO

Title (de)

POLYIMIDFOLIEN MIT MATTER OBERFLÄCHE UND VERFAHREN IM ZUSAMMENHANG DAMIT

Title (fr)

FILMS EN POLYIMIDE À FINI MAT ET PROCÉDÉS ASSOCIÉS

Publication

EP 2596052 A1 20130529 (EN)

Application

EP 11704014 A 20110214

Priority

- US 2010045301 W 20100812
- US 85073910 A 20100805
- US 2010044202 W 20100803
- US 84217410 A 20100723
- US 2011024745 W 20110214

Abstract (en)

[origin: WO2012011970A1] The present disclosure is directed to a base film having a thickness from 8 to 152 microns, a 60 degree gloss value from 2 to 35, an optical density greater than or equal to 2 and a dielectric strength greater than 1400 V/mil. The base film comprises a chemically converted (partially or wholly aromatic) polyimide in an amount from 71 to 96 weight percent of the base film. The base film further comprises a pigment and a matting agent. The matting agent is present in an amount from 1.6 to 10 weight percent of the base film, has a median particle size from 1.3 to 10 microns, and has a density from 2 to 4.5 g/cc. The pigment is present in an amount from 2 to 9 weight percent of the base film. The present disclosure is also directed to coverlay films comprising the base film in combination with an adhesive layer.

IPC 8 full level

C08G 73/10 (2006.01); **C08J 5/00** (2006.01); **C08L 79/08** (2006.01)

CPC (source: EP)

C08G 73/105 (2013.01); **C08G 73/1067** (2013.01); **C08G 73/1071** (2013.01); **C08J 5/18** (2013.01); **C08K 3/22** (2013.01); **C08K 3/30** (2013.01); **C08K 3/36** (2013.01); **C08J 2379/08** (2013.01); **H05K 3/281** (2013.01); **H05K 2201/0154** (2013.01)

Citation (search report)

See references of WO 2012011970A1

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 2012011970 A1 20120126; CN 103168068 A 20130619; EP 2596052 A1 20130529; JP 2013532752 A 20130819

DOCDB simple family (application)

US 2011024745 W 20110214; CN 201180034912 A 20110214; EP 11704014 A 20110214; JP 2013521769 A 20110214