

Title (en)

IN-LINE SILICONE COATED BIAXIALLY ORIENTED COPOLYESTER FILM AND A PROCESS FOR MANUFACTURING THE FILM.

Title (de)

IN LINIE MIT SILIKONE BESCHICHTETER BIAXIAL ORIENTIERTER COPOLYESTERFILM UND DESSEN HERSTELLUNGSVERFAHREN.

Title (fr)

FILM DE COPOLYESTER ORIENTE BIAXIALEMENT ENDUIT DE SILICONE EN CONTINU, ET PROCEDE DE FABRICATION DE CE FILM.

Publication

EP 0680408 A1 19951108 (EN)

Application

EP 93901392 A 19921209

Priority

US 9210684 W 19921209

Abstract (en)

[origin: WO9413474A1] A silicone release film including a biaxially oriented PENBB film having a coating thereon in an amount sufficient to act as a silicone release film. The coating comprises glycidoxysilane and an aqueous based thermosetting silicone release composition. The glycidoxysilane present in the coating is at least 0.3 % by weight. Typical glycidoxysilanes are glycidoxypolytrimethoxysilane or glycidoxypolytriethoxysilane. A process for coating a PENBB film with a silicone coating is also disclosed, where the coating occurs in-line, during the manufacturing process for the film before it is heat-set. PENBB is a copolyester containing units of formula (I).

IPC 1-7

B32B 27/06

IPC 8 full level

B32B 7/06 (2006.01); **C09J 7/40** (2018.01); **B32B 27/00** (2006.01); **B32B 27/06** (2006.01); **B32B 27/36** (2006.01); **C08J 7/04** (2006.01)

CPC (source: EP US)

C08J 7/0427 (2020.01 - EP); **C08J 7/043** (2020.01 - EP US); **C09J 7/40** (2017.12 - EP US); **C08J 2367/02** (2013.01 - EP); **C08J 2483/00** (2013.01 - EP); **C09J 2467/006** (2013.01 - EP); **C09J 2483/005** (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB IT LU NL

DOCDB simple family (publication)

WO 9413474 A1 19940623; EP 0680408 A1 19951108; EP 0680408 A4 19951206; JP H08506775 A 19960723

DOCDB simple family (application)

US 9210684 W 19921209; EP 93901392 A 19921209; JP 51407592 A 19921209