

Title (en)
PLASMA TREATED SUSCEPTOR FILMS

Title (de)
PLASMABEHANDELTE SUSZEPTORFILME

Title (fr)
FILMS SUSCEPTEURS TRAITÉS PAR PLASMA

Publication
EP 2974529 A4 20161207 (EN)

Application
EP 13877974 A 20130314

Priority
US 2013031425 W 20130314

Abstract (en)
[origin: WO2014142889A1] A method of making a microwave energy interactive structure includes plasma treating the surface of a polymer film with an inert gas at a plasma treatment energy per unit surface area of the film of from about 0.005 J/cm² to about 0.2 J/cm² to reduce the apparent surface roughness of film the polymer film, and depositing a layer of microwave energy interactive material onto the plasma treated surface of the film.

IPC 8 full level
H05B 6/64 (2006.01); **B01J 19/08** (2006.01); **B05D 3/14** (2006.01); **B32B 15/00** (2006.01); **B32B 27/36** (2006.01); **B32B 37/24** (2006.01); **C08F 2/46** (2006.01); **C08J 5/18** (2006.01); **C08J 7/18** (2006.01)

CPC (source: EP)
B29C 59/14 (2013.01); **B32B 15/00** (2013.01); **B32B 27/36** (2013.01); **B32B 38/0008** (2013.01); **C08J 5/18** (2013.01); **C08J 7/123** (2013.01); **B29C 2059/147** (2013.01); **B29K 2995/0072** (2013.01); **B29K 2995/0073** (2013.01); **B29L 2007/001** (2013.01); **B32B 2037/246** (2013.01); **B32B 2310/14** (2013.01); **B32B 2311/24** (2013.01); **B32B 2367/00** (2013.01); **B32B 2439/00** (2013.01); **C08J 2367/02** (2013.01)

Citation (search report)
• [XII] US 2010213192 A1 20100826 - MIDDLETON SCOTT W [US], et al
• See references of WO 2014142889A1

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 2014142889 A1 20140918; BR 112015020339 A2 20170718; CA 2900609 A1 20140918; EP 2974529 A1 20160120; EP 2974529 A4 20161207; JP 2016519830 A 20160707; MX 2015011904 A 20160108

DOCDB simple family (application)
US 2013031425 W 20130314; BR 112015020339 A 20130314; CA 2900609 A 20130314; EP 13877974 A 20130314; JP 2016500044 A 20130314; MX 2015011904 A 20130314