

Title (en)  
TRANSPARENT BARRIER LAYER SYSTEM

Title (de)  
TRANSPARENTES BARRIERESCHICHTSYSTEM

Title (fr)  
SYSTÈME DE COUCHES BARRIÈRES TRANSPARENT

Publication  
**EP 2288739 A1 20110302 (DE)**

Application  
**EP 09731834 A 20090409**

Priority  
• EP 2009002678 W 20090409  
• DE 102008019665 A 20080418

Abstract (en)  
[origin: WO2009127373A1] The invention relates to a transparent barrier layer system on a substrate, wherein the barrier layer system comprises a series of individual layers, wherein the individual layers are made alternately of a layer A and a layer B and wherein a layer A differs from a layer B regarding the activation energy during permeation of water vapor, the difference being at least 1.5 kJ/mol.

IPC 8 full level  
**C23C 14/00** (2006.01); **C23C 16/00** (2006.01); **C23C 28/00** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP US)  
**C23C 14/00** (2013.01 - EP US); **C23C 16/00** (2013.01 - EP US); **C23C 28/042** (2013.01 - EP US); **C23C 28/048** (2013.01 - EP US); **C23C 28/42** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **Y10T 428/24942** (2015.01 - EP US)

Citation (search report)  
See references of WO 2009127373A1

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008019665 A1 20091022**; EP 2288739 A1 20110302; JP 2011519318 A 20110707; JP 5538361 B2 20140702; TW 200944617 A 20091101; US 2011033680 A1 20110210; WO 2009127373 A1 20091022

DOCDB simple family (application)  
**DE 102008019665 A 20080418**; EP 09731834 A 20090409; EP 2009002678 W 20090409; JP 2011504362 A 20090409; TW 98102714 A 20090123; US 93765509 A 20090409