Title (en)

Method to produce a multilayer barrier coating

Title (de)

Verfahren zur Herstellung einer mehrschichtigen Sperrbeschichtung

Title (fr)

Procédé de fabrication d'un revêtement barrière multicouche

Publication

EP 3012348 A1 20160427 (EN)

Application

EP 14189864 A 20141022

Priority

EP 14189864 A 20141022

Abstract (en)

Examples of the present disclosure relate to an apparatus for providing a multilayer barrier coating and method for forming the same. The apparatus may comprise: at least a first layer and a third layer formed via a first process; and at least a second layer, between the first and third layers, formed via a second process different to the first process; wherein the first process is a Sol-Gel process. The apparatus may be used to encapsulate an object (not least for example an organic light-emitting display or photovoltaic cell) to provide barrier protection.

IPC 8 full level

C23C 18/12 (2006.01); **C23C 18/14** (2006.01); **C23C 28/00** (2006.01)

CPC (source: EP US)

C23C 18/1212 (2013.01 - EP); **C23C 18/1216** (2013.01 - EP); **C23C 18/122** (2013.01 - EP); **C23C 18/1233** (2013.01 - EP); **C23C 18/1254** (2013.01 - EP US); **C23C 18/1283** (2013.01 - EP); **C23C 18/143** (2019.04 - EP US); **C23C 28/40** (2013.01 - EP)

Citation (search report)
- [XI] US 2010021691 A1 20100128 - LEE KWANG HEE [KR], et al
- [X] US 2014113129 A1 20140424 - ASAL MURAD ABU [DE], et al
- [X] US 2012220069 A1 20120830 - LIN CHING-FUH [TW], et al
- [X] US 6410173 B1 20020625 - ARFSTEN NANNING J [US], et al
- [A] US 2010132762 A1 20100603 - GRAHAM JR SAMUEL [US], et al
- [A] WO 2014102166 A1 20140703 - AKZO NOBEL COATINGS INT BV [NL]
- [A] DE 102009017822 A1 20101021 - EVONIK DEGUSSA GMBH [DE]

Cited by

US2022136341A1; WO2020176272A3

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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