

Title (en)

BINDER FOR COATING PLASTICS SUBSTRATES WITHOUT CHEMICAL OR PHYSICAL PRETREATMENT

Title (de)

BINDEMittel ZUR BESCHICHTUNG VON KUNSTSTOFFSUBSTRATEN OHNE CHEMISCHE ODER PHYSIKALISCHE VORBEHANDLUNG

Title (fr)

LIANT DESTINÉ AU REVÊTEMENT DE SUBSTRATS EN MATIÈRE PLASTIQUE SANS PRÉTRAITEMENT CHIMIQUE NI PHYSIQUE

Publication

**EP 3294796 A1 20180321 (DE)**

Application

**EP 16723314 A 20160509**

Priority

- DE 102015005783 A 20150509
- DE 102015005784 A 20150509
- DE 102015107289 A 20150511
- DE 102015111283 A 20150713
- EP 15186510 A 20150923
- EP 2016060310 W 20160509

Abstract (en)

[origin: WO2016180768A1] The binder produced according to the invention can be used to produce a wide variety of coating products adhering directly on plastics without chemical or physical pretreatment of any kind. It is possible to produce primers, high-gloss lacquers, metallic lacquers, clearcoat lacquers and special-effect lacquers which can be applied directly to plastics; this is absolutely novel because there is then no need for pretreatment. The binder produced according to the invention can also be used to formulate adhesives which ensure very good adhesive bonding between plastics themselves and also paperboard used in packaging. The invention relates to the binder and to resultant primers, single-coat lacquers and adhesives.

IPC 8 full level

**C08J 3/00** (2006.01); **C08J 7/043** (2020.01); **C08J 7/046** (2020.01); **C09D 5/00** (2006.01); **C09D 7/61** (2018.01); **C09D 7/62** (2018.01); **C09D 7/65** (2018.01); **C09D 123/00** (2006.01); **C09D 127/06** (2006.01)

CPC (source: EP US)

**C08J 3/005** (2013.01 - EP US); **C08J 7/0427** (2020.01 - EP US); **C08J 7/043** (2020.01 - EP US); **C08J 7/046** (2020.01 - EP US); **C09D 5/002** (2013.01 - EP US); **C09D 7/61** (2017.12 - EP US); **C09D 7/62** (2017.12 - EP US); **C09D 7/65** (2017.12 - EP US); **C09D 7/70** (2017.12 - EP US); **C09D 7/80** (2017.12 - EP US); **C09D 123/28** (2013.01 - US); **C09D 127/06** (2013.01 - US); **C09D 129/10** (2013.01 - US); **C08J 2323/28** (2013.01 - EP US); **C08J 2327/06** (2013.01 - EP US); **C08J 2423/28** (2013.01 - EP US); **C08J 2427/06** (2013.01 - EP US); **C08J 2429/10** (2013.01 - US); **C08J 2463/00** (2013.01 - US); **C08K 3/346** (2013.01 - EP US)

C-Set (source: EP US)

**C09D 127/06 + C08K 5/5435 + C08L 23/286**

Citation (search report)

See references of WO 2016180768A1

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)

**WO 2016180768 A1 20161117**; AU 2016259723 A1 20171116; AU 2016259723 B2 20200409; CA 2982264 A1 20161117; CA 2982264 C 20230613; CN 107636090 A 20180126; CN 107636090 B 20200414; EP 3294796 A1 20180321; MX 2017014164 A 20180301; US 10752784 B2 20200825; US 2018346733 A1 20181206

DOCDB simple family (application)

**EP 2016060310 W 20160509**; AU 2016259723 A 20160509; CA 2982264 A 20160509; CN 201680026898 A 20160509; EP 16723314 A 20160509; MX 2017014164 A 20160509; US 201615572860 A 20160509