

Title (en)

Light curing of radiation curable materials under a protective gas

Title (de)

Lichthärtung von Strahlungshärtbaren Massen unter Schutzgas

Title (fr)

Durcissement à la lumière de matières durcissables sous l'action de rayons, en atmosphère inerte

Publication

EP 2047916 A3 20090429 (DE)

Application

EP 09151021 A 20001121

Priority

- EP 00981286 A 20001121
- DE 19957900 A 19991201

Abstract (en)

[origin: WO0139897A2] The invention relates to a method for producing molding materials and coatings on substrates by curing radiation curable materials under a protective gas, by irradiation with light. The method is characterized in that said protective gas is a gas that is heavier than air and in that the protective gas is prevented from escaping sideways during the radiation curing by a suitable device or measures.

IPC 8 full level

B05D 3/06 (2006.01); **B05D 7/24** (2006.01); **B05D 3/04** (2006.01); **F26B 3/28** (2006.01); **F26B 21/14** (2006.01)

CPC (source: EP US)

B05D 3/0486 (2013.01 - EP US); **B05D 3/067** (2013.01 - EP US); **F26B 3/283** (2013.01 - EP US); **F26B 21/14** (2013.01 - EP US); **F26B 2210/12** (2013.01 - EP US)

Citation (search report)

- [DX] EP 0540884 A1 19930512 - HERBERTS & CO GMBH [DE]
- [X] WO 9634700 A1 19961107 - NOELLE GMBH [DE], et al
- [X] EP 0559500 A1 19930908 - OSAKA OXYGEN IND [JP]
- [A] FR 2230831 A1 19741220 - UNION CARBIDE CORP [US]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0139897 A2 20010607; **WO 0139897 A3 20020314**; AT E427167 T1 20090415; DE 19957900 A1 20010607; DE 50015609 D1 20090514; EP 1235652 A2 20020904; EP 1235652 B1 20090401; EP 2047916 A2 20090415; EP 2047916 A3 20090429; ES 2321799 T3 20090612; JP 2003515445 A 20030507; US 2006115602 A1 20060601; US 7105206 B1 20060912

DOCDB simple family (application)

EP 0011589 W 20001121; AT 00981286 T 20001121; DE 19957900 A 19991201; DE 50015609 T 20001121; EP 00981286 A 20001121; EP 09151021 A 20001121; ES 00981286 T 20001121; JP 2001541622 A 20001121; US 13059902 A 20020521; US 32455906 A 20060104