

Title (en)

WATER-VAPOR ASSISTED LACQUERING METHOD

Title (de)

WASSERDAMPFUNTERSTUTZTES LACKIERVERFAHREN

Title (fr)

PROCEDE DE MISE EN PEINTURE AU MOYEN DE VAPEUR D'EAU

Publication

EP 1727623 A2 20061206 (DE)

Application

EP 05739556 A 20050316

Priority

- EP 2005002811 W 20050316
- DE 102004012889 A 20040316

Abstract (en)

[origin: US2008014364A1] The invention relates to a method or a system for coating substrates with at least one coating material which comprises at least one organic component, wherein the coating material is applied to the substrate by means of atomization and spray-painting. The invention is characterized in that the coating material is atomized by means of water vapor. The invention also relates to a system for coating substrates, wherein at least one nozzle arrangement (1) is provided in order to atomize and spray the coating material onto a substrate, and at least one first supply device (8) which is used to prepare and supply the coating material to the nozzle arrangement (1), in addition to at least one second supply device (9) which is used to prepare and supply the steam as auxiliary gas to the nozzle arrangement (1).

IPC 8 full level

B05D 1/02 (2006.01); **B05B 7/00** (2006.01); **B05B 7/04** (2006.01); **B05B 7/06** (2006.01); **B05B 7/16** (2006.01)

CPC (source: EP US)

B05B 7/00 (2013.01 - EP US); **B05B 7/0475** (2013.01 - EP US); **B05B 7/066** (2013.01 - EP US); **B05B 7/1606** (2013.01 - EP US); **B05D 1/02** (2013.01 - EP US)

Citation (third parties)

Third party :

- GB 455408 A 19361020 - GEORG COLMANT
- GB 660233 A 19511031 - DU PONT
- US 4816542 A 19890328 - LIEBL HERBERT [DE], et al
- WO 0018514 A1 20000406 - VOITH SULZER PAPIERTECH PATENT [DE], et al
- EP 0008799 A1 19800319 - GOODRICH CO B F [US]
- FR 1153725 A 19580320 - DU PONT
- DE 60120448 T2 20070104 - AKZO NOBEL COATINGS INT BV [NL]
- US 2976392 A 19610321 - RICHARD WABNITZ
- "Bitumen", WIKIPEDIA, pages 1 - 6, XP003028141
- "Ullmanns Encyclopaedie der technischen Chemie", vol. 15, 1978, XP003028142

Cited by

CN110385207A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005087387 A2 20050922; **WO 2005087387 A3 20051027**; AT E513623 T1 20110715; DE 102004012889 A1 20051006; EP 1727623 A2 20061206; EP 1727623 B1 20110622; EP 1727623 B2 20150916; PL 1727623 T3 20120131; PL 1727623 T5 20160129; RU 2006136017 A 20080427; RU 2354561 C2 20090510; US 2008014364 A1 20080117

DOCDB simple family (application)

EP 2005002811 W 20050316; AT 05739556 T 20050316; DE 102004012889 A 20040316; EP 05739556 A 20050316; PL 05739556 T 20050316; RU 2006136017 A 20050316; US 59890705 A 20050316