

Title (en)

Device and method for removing and utilization of paint coating material and/or waste painting material

Title (de)

Vorrichtung und Verfahren zur Entfernung und Verwendung von Lackbeschichtungsmaterialien und/oder von Farbabfallmaterialien

Title (fr)

Appareil et procédé d'enlèvement et d'utilisation de revêtement de peinture et/ou de déchets de peinture

Publication

EP 1906087 A3 20080730 (EN)

Application

EP 07116524 A 20070915

Priority

PL 38064406 A 20060920

Abstract (en)

[origin: EP1906087A2] A device for removing and utilization of paint coating material and/or waste painting material and/or lacquer is provided with a chamber (30) with a system of carrying away products of utilization and adapted for placing inside lacquer and/or paint wastes and/or elements to be cleaned and covered by paint and/or lacquer deposits or layers. The chamber made as a reaction chamber (30) has at least one heating part (32) equipped with a heating arrangement (50) and at least one reaction part (31) having space adapted for placing inside lacquer and/or paint wastes and/or elements to be cleaned and covered by paint and/or lacquer deposits or layers. The process of desiccation, gasifying or de-gasification of the lacquer deposits or wastes is run in the reaction part (31), which is connected through after-reaction gas collectors to installation for purifying and carrying away products of desiccation, de-gasification and gasifying of paint coating material and/or waste painting material to atmosphere. The heating part (32) and the reaction part (31) are separated by a fire-resisting barrier (38) provided with a set of openings (47) joining the heating part (32) and the reaction part (31).

IPC 8 full level

F23G 5/027 (2006.01); **F23G 5/12** (2006.01); **F23G 5/16** (2006.01); **F23G 7/00** (2006.01); **F23J 15/02** (2006.01)

CPC (source: EP)

F23G 5/0276 (2013.01); **F23G 5/12** (2013.01); **F23G 5/16** (2013.01); **F23G 7/00** (2013.01); **F23J 15/02** (2013.01); **F23G 2201/40** (2013.01); **F23G 2203/80** (2013.01); **F23G 2900/55003** (2013.01); **F23J 2215/10** (2013.01); **F23J 2217/10** (2013.01); **F23J 2219/10** (2013.01); **F23J 2219/60** (2013.01)

Citation (search report)

- [A] DE 4128043 A1 19920716 - EWALD SCHWING VERFAHRENSTECHNI [DE]
- [A] US 4784603 A 19881115 - ROBAK JR CASIMIR B [US], et al
- [A] EP 0384108 A1 19900829 - KRAMER ERICH
- [A] EP 0381264 A1 19900808 - KEERSMAEKERS MARC
- [PA] WO 2006105236 A2 20061005 - NOWACK WILLIAM [US]

Cited by

CN103028588A; CN106949478A

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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1906087 A2 20080402; **EP 1906087 A3 20080730**; **EP 1906087 B1 20090318**; AT E426131 T1 20090415; DE 602007000720 D1 20090430; PL 1906087 T3 20090831; PL 207916 B1 20110228; PL 380644 A1 20080331

DOCDB simple family (application)

EP 07116524 A 20070915; AT 07116524 T 20070915; DE 602007000720 T 20070915; PL 07116524 T 20070915; PL 38064406 A 20060920