

Title (en)
ULTRAVIOLET CROSSLINKING EQUIPMENT UNDER CONTROLLED ATMOSPHERE

Title (de)
ULTRAVIOLETT-VERNETZUNGSEINRICHTUNG UNTER KONTROLLIERTER ATMOSPHERE

Title (fr)
EQUIPEMENT DE RETICULATION ULTRAVIOLETTE SOUS ATMOSPHERE CONTROLEE

Publication
EP 1711279 B1 20080416 (FR)

Application
EP 05717683 A 20050124

Priority
• FR 2005050040 W 20050124
• FR 0450155 A 20040128

Abstract (en)
[origin: US2007109333A1] The invention concerns an installation wherein is performed a crosslinking operation for a coating such as an ink or a varnish through ultraviolet radiation or electronic beam, in the presence of a gas mixture with controlled oxygen residual content. The installation comprises a chamber including one or more UV lamps or a source of accelerated electrons, required for performing the crosslinking operation, and is characterized in that it comprises an input device adjacent the chamber comprising at least the following three components, viewed successively by the product moving to be treated: a labyrinth system, means for injecting an inert gas forming a gas knife and a channel.

IPC 8 full level
B05D 3/04 (2006.01); **F26B 3/28** (2006.01); **F26B 13/00** (2006.01); **F26B 21/14** (2006.01); **B05D 3/06** (2006.01)

CPC (source: EP KR US)
B05D 3/04 (2013.01 - KR); **B05D 3/0486** (2013.01 - EP US); **B05D 3/06** (2013.01 - KR); **F26B 3/28** (2013.01 - EP KR US); **F26B 13/005** (2013.01 - EP US); **F26B 21/14** (2013.01 - EP US); **B05D 3/067** (2013.01 - EP US); **B05D 3/068** (2013.01 - EP US)

Cited by
DE102009048824A1

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)
US 2007109333 A1 20070517; US 7806075 B2 20101005; AT E392270 T1 20080515; CA 2552948 A1 20050818; CA 2552948 C 20130402; CN 100591429 C 20100224; CN 1913980 A 20070214; DE 602005006100 D1 20080529; DE 602005006100 T2 20090507; DK 1711279 T3 20080721; EP 1711279 A1 20061018; EP 1711279 B1 20080416; ES 2306116 T3 20081101; FR 2865418 A1 20050729; FR 2865418 B1 20060303; JP 2007519519 A 20070719; JP 4763618 B2 20110831; KR 101134861 B1 20120424; KR 20070008560 A 20070117; PL 1711279 T3 20080930; PT 1711279 E 20080704; SI 1711279 T1 20080831; WO 2005075111 A1 20050818

DOCDB simple family (application)
US 58610205 A 20050124; AT 05717683 T 20050124; CA 2552948 A 20050124; CN 200580003355 A 20050124; DE 602005006100 T 20050124; DK 05717683 T 20050124; EP 05717683 A 20050124; ES 05717683 T 20050124; FR 0450155 A 20040128; FR 2005050040 W 20050124; JP 2006550256 A 20050124; KR 20067015190 A 20050124; PL 05717683 T 20050124; PT 05717683 T 20050124; SI 200530295 T 20050124