

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: FR2865418A1] A installation consists of a chamber with one or more UV lamps or an accelerated electron source to provide reticulation of a coating such as an ink or varnish and has an inlet leading to a chamber with at least three components - a labyrinth system, an inert gas injector to form a gas blade, and a channel. The installation consists of a chamber with one or more UV lamps or an accelerated electron source to provide reticulation of a coating such as an ink or varnish and has an inlet leading to a chamber with at least three components - a labyrinth system, an inert gas injector to form a gas blade, and a channel. The chamber also has an outlet with a channel, an inert gas injector to form a gas blade, and a load drop former such as a smooth profile that is lower than the outlet channel. A variant of the design can have two inlet channels and gas injection slits on opposite sides of the labyrinth.

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