

Title (en)  
UV radiator

Title (de)  
UV-Strahler

Title (fr)  
Radiateur UV

Publication  
**EP 0741272 A3 19970312 (DE)**

Application  
**EP 96106499 A 19960425**

Priority  
DE 19516053 A 19950504

Abstract (en)  
[origin: EP0741272A2] An ultra-violet source (3) is used for drying/hardening off a surface coating on a substrate (19) e.g. a printed sheet on the cylinder (21) of a rotary press. A housing (1) contains the UV source (3) backed by a reflector (5) which irradiates the coating via an aperture (2) and an energy control for the source (3) ensures that two intermediate levels of activation provide reduced levels of output at times of cylinder (21) standstill. The housing (1) is cooled via longitudinal air-ducts, the source (3) is cooled via airflow through the aperture (9) and the pierced tubes (11, 13) and (15, 17) supplied with compressed air, respectively provide an anti-convection curtain across the aperture (7) and protection of the substrate (19) against infrared components from the source (3).

IPC 1-7  
**F26B 3/28**

IPC 8 full level  
**F26B 3/28** (2006.01)

CPC (source: EP US)  
**F26B 3/283** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
BE DE DK ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0741272 A2 19961106; EP 0741272 A3 19970312; EP 0741272 B1 19980916**; DE 19516053 A1 19961114; DE 19516053 C2 20000824; DE 59600559 D1 19981022; DK 0741272 T3 19990614; ES 2121452 T3 19981116; US 5751008 A 19980512

DOCDB simple family (application)  
**EP 96106499 A 19960425**; DE 19516053 A 19950504; DE 59600559 T 19960425; DK 96106499 T 19960425; ES 96106499 T 19960425; US 64063096 A 19960501