

Title (en)

UV CURING DEVICE WITH DIVIDED UV REFLECTING MIRRORS

Title (de)

UV-AUSHÄRTEVORRICHTUNG MIT GETEILTEN UV-UMLENKSPIEGELN

Title (fr)

DISPOSITIF DE DURCISSEMENT AUX UV PRÉSENTANT DES MIROIRS DIVISÉS DE DÉVIATION DES UV

Publication

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Application

EP 16816196 A 20161207

Priority

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Abstract (en)

[origin: WO2017108163A1] The present invention relates to a curing device for exposing substrates to UV radiation, comprising at least one radiation source, at least one reflector element surrounding the radiation source, at least two divided dichroic mirror elements lying opposite the radiation source, which largely transmit the VIS & IR component of the radiation source and keep it away from the processing region and at the same time largely reflect the UV component of the radiation source in the direction of the processing region, at least one optical disc element, which separates the cooling gas flow in the exposure device from the processing region, and which is characterized in that the at least two divided dichroic mirror elements are arranged in such a way that they are separate from one another and offset from one another in the direction of the main beam and are moved parallel to the main beam, and are consequently opaque with respect to the main beam, and so cooling gas can flow out through the openings created, but there is no loss in intensity of the UV radiation.

IPC 8 full level

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