

Title (en)

Printing of radiation curable inks into a radiation curable liquid layer.

Title (de)

Druck der strahlungshärtbaren Tinten in eine flüssige strahlungshärtbare Schicht

Title (fr)

Impression d'encres durcissables par rayonnement sur une couche liquide durcissable par rayonnement

Publication

**EP 1652686 B1 20080625 (EN)**

Application

**EP 05107954 A 20050831**

Priority

- EP 04105394 A 20041029
- EP 05107954 A 20050831

Abstract (en)

[origin: EP1652686A1] A printing process is disclosed for ink-jet printing a radiation curable image on a substrate (14). First a radiation curable liquid layer (12) is provided on at least a portion of the substrate (14). Radiation curable ink-jet ink droplets (10) are jetted into the radiation curable liquid layer (12) and the radiation curable liquid layer (12) containing the radiation curable ink-jet ink droplets (13) is then cured. The resolution of the radiation curable image is controlled by uniformly adjusting the thickness of the liquid layer (12) for the dotsize of the radiation curable ink-jet ink jetted onto the cured layer.

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP3822089A1; EP1905609A3; ES2340456A1; FR2906185A1; EP1905296A1; EP1738910A3; EP2053104A1; EP1955858A1; EP1958994A1; US8541063B2; US11338603B2; US8075123B2; US7874663B2; WO2015078449A1; WO2009053311A3; US7798630B2; US8192803B2; US8371688B2; US11498351B2; US11559824B2; US11141759B2; US11420229B2; US11511318B2; US11717850B2; US11717851B2; US11883843B2; EP1905608B2; EP3109056B1; EP3109056B2

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**EP 1652686 A1 20060503**; **EP 1652686 B1 20080625**; AT E399094 T1 20080715; CN 100537257 C 20090909; CN 1765636 A 20060503; DE 602005007675 D1 20080807; JP 2006137185 A 20060601

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