

Title (en)

Rotary printing press with an integrated image-setter comprising a hollow transparent cylinder as exposure drum

Title (de)

Rotationsdruckmaschine mit einer eingebauten Bildherstellungsvorrichtung bestehend aus einem hohlen, transparenten Belichtungszyylinder

Title (fr)

Machine à imprimer rotative avec un compositeur d'images intégré comprenant un cylindre creux transparent

Publication

EP 0940252 A1 19990908 (EN)

Application

EP 98200651 A 19980303

Priority

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Abstract (en)

The image-setter is a hybrid drum type which combines the advantages of internal and external drum image-setters and which provides a solution for protecting the opto-mechanical devices from contamination by ink, fountain, processing and cleaning liquids, etc. The printing press comprises a hollow transparent cylinder 110 for carrying on its outer surface an imaging element 150. A radiation beam 161 is projected by deflecting means 160 located inside said hollow cylinder 110 through transparent cylinder wall 111 towards imaging element 150. After exposure and optional development a master is obtained. Ink applied onto the printing surface 151 of said master is then transferred to a substrate 170. The imaging element is preferably provided by coating a radiation sensitive composition onto the outer surface of said hollow transparent cylinder using coating means 140. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

B41F 7/02 (2013.01); **B41P 2227/70** (2013.01)

Citation (search report)

- [X] EP 0580394 A2 19940126 - PRESSTEK INC [US]
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