

Title (en)
Impression cylinder for intaglio printing and intaglio printing process

Title (de)
Druckzylinder zum Tiefdrucken und Tiefdruckverfahren

Title (fr)
Cylindre d'impression pour presse héliographe et procédé correspondant

Publication
EP 2384890 A1 20111109 (EN)

Application
EP 10162247 A 20100507

Priority
EP 10162247 A 20100507

Abstract (en)
There is described an impression cylinder (01) for intaglio printing of security documents, especially banknotes, comprising a cylinder body (10) carrying at least one blanket (20) on its circumference, and a packing (30) disposed between the cylinder body (10) and the blanket (20). The packing (30) exhibits at least one depression (40) whose location is selected to correspond to the location of at least a selected portion of a corresponding security element (50) having optical and/or structural properties to be preserved, which security element (50) is provided or exposed on a backside (60b) of a substrate (60) to be supported against the blanket (20) during intaglio printing, the said at least one depression (40) being designed to lead to a local reduction of the printing pressure at the location of the said at least selected portion of the corresponding security element (50).

IPC 8 full level
B41F 13/187 (2006.01); **B41M 1/10** (2006.01); **B41M 3/14** (2006.01); **B41N 10/04** (2006.01)

CPC (source: EP)
B41F 13/187 (2013.01); **B41M 1/10** (2013.01); **B41M 3/14** (2013.01); **B41N 6/00** (2013.01)

Citation (applicant)
• EP 0091709 A1 19831019 - DE LA RUE GIORI SA [CH]
• EP 0406157 A1 19910102 - DE LA RUE GIORI SA [CH]
• EP 0563007 A1 19930929 - DE LA RUE GIORI SA [CH]
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• EP 1602482 A1 20051207 - KBA GIORI SA [CH]
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• EP 1881904 A2 20080130 - OEBS GMBH [AT]
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• [I] US 6176522 B1 20010123 - JACKSON WAYNE K [AU]
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