

Title (en)

Method for forming an internal engraved image in a flat body and apparatus for performing the method

Title (de)

Verfahren zum Einbringen wenigstens einer Innengravur in einen flachen Körper und Vorrichtung zum Durchführen des Verfahrens

Title (fr)

Procédé pour former une gravure dans la masse d'un corps plat et appareil pour la réalisation dudit procédé

Publication

EP 1138516 A3 20030723 (DE)

Application

EP 01107685 A 20010328

Priority

DE 10015702 A 20000329

Abstract (en)

[origin: EP1138516A2] Method involves using high power density beam (3) to introduce the engraving (2) that is focused in a working region immediately below the surface of the flat body (1). The beam is focused in a layer below the flat body surface that is about 25 per cent of the thickness of the flat body. Independent claims are also included for the following: an arrangement for introducing at least one internal engraving into a flat body.

IPC 1-7

B41M 5/26; B44B 3/00; B44C 5/04; B44F 1/06; B44B 7/00; B23K 26/00; C03C 23/00; B29C 71/04

IPC 8 full level

B41M 5/26 (2006.01)

CPC (source: EP)

B41M 5/262 (2013.01); **B41M 5/26** (2013.01)

Citation (search report)

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- [A] DE 3147385 A1 19820916 - VER GLASWERKE GMBH [DE]
- [A] DICKMANN K.: "Innenbearbeitung von Glas mit Nd:YAG-Laser", LASER MAGAZIN, vol. H. 1, 1995, pages 16 - 19, XP002240507

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