

Title (en)

METHOD FOR MAKING A MARKING IN A GLASS BODY

Title (de)

VERFAHREN ZUR ERZEUGUNG EINER MARKIERUNG IN EINEM GLASKÖRPER

Title (fr)

PROCEDE POUR PRODUIRE UNE MARQUE DANS UN CORPS EN VERRE

Publication

EP 1051365 B1 20020605 (DE)

Application

EP 99964365 A 19991123

Priority

- DE 9903719 W 19991123
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Abstract (en)

[origin: US6596966B1] A method for making a marking which is located beneath the surface of a glass body, in which the glass has a transmission curve with a plateau area at wavelengths which are longer than those of X-rays. A laser beam is directed onto a surface of the body. The laser beam can penetrate the body to a predetermined depth of the marking and is focused at the predetermined place of the marking inside the glass. The laser beam has a power density high enough to mark this location, essentially without changing the surface of the glass body in any perceptible way. The method is characterized in that a wavelength of the laser is used which makes the glass partially translucent and which is shorter than all the wavelengths of the laser light corresponding to the plateau area of the respective transmission curve. Using this method, very fine markings can be produced spaced a small distance underneath the surface of the glass body.

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C03C 23/00; B41M 5/26; B01J 19/12

IPC 8 full level

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CPC (source: EP US)

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