

Title (en)

METHOD FOR SURFACE STRUCTURING OF A GLASS PRODUCT, GLASS PRODUCT WITH STRUCTURED SURFACE AND USES

Title (de)

VERFAHREN ZUR OBERFLÄCHENSTRUKTURIERUNG EINES GLASPRODUKTS, GLASPRODUKT MIT STRUKTURIERTER OBERFLÄCHE UND VERWENDUNGEN

Title (fr)

PROCEDE DE STRUCTURATION DE SURFACE D'UN PRODUIT VERRIER, PRODUIT VERRIER A SURFACE STRUCTUREE ET UTILISATIONS

Publication

**EP 1957418 A1 20080820 (FR)**

Application

**EP 06831335 A 20061114**

Priority

- FR 2006051173 W 20061114
- FR 0553576 A 20051123

Abstract (en)

[origin: FR2893610A1] A surface structuring forms an array of patterns with a characteristic submillimetric dimension on a planar surface of a product with a rigid glass element (1) and an overlying layer (1a). The structuring on this layer by plastic or viscoplastic deformation is carried out by contact with a structuring mask (10) and by applying pressure. The structuring is performed in a continuous movement, parallel to the surface, of the product, and by a movement of the mask about an axis parallel to the plane of the surface of the product. Independent claims are also included for : (1) a structuring device for putting this method of surface structuring into service; (2) the structured glass product obtained.

IPC 8 full level

**C03B 13/08** (2006.01); **C03B 35/18** (2006.01); **C03C 17/25** (2006.01); **G03F 7/00** (2006.01)

CPC (source: EP KR US)

**B29C 59/046** (2013.01 - EP US); **C03B 13/08** (2013.01 - EP KR US); **C03B 13/16** (2013.01 - EP US); **C03B 23/02** (2013.01 - EP US); **C03B 35/18** (2013.01 - KR); **C03C 17/25** (2013.01 - KR); **C03C 17/3417** (2013.01 - EP US); **C03C 17/36** (2013.01 - EP US); **C03C 17/3607** (2013.01 - EP US); **G03F 7/00** (2013.01 - KR); **C03C 2217/425** (2013.01 - EP US); **C03C 2217/45** (2013.01 - EP US); **C03C 2217/475** (2013.01 - EP US); **C03C 2217/77** (2013.01 - EP US); **C03C 2218/113** (2013.01 - EP US); **C03C 2218/115** (2013.01 - EP US); **C03C 2218/32** (2013.01 - EP US); **Y02P 40/57** (2015.11 - EP US); **Y10T 428/24926** (2015.01 - EP US)

Citation (search report)

See references of WO 2007060353A1

Citation (examination)

US 2003044727 A1 20030306 - PARK LEE SOON [KR], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

**FR 2893610 A1 20070525**; **FR 2893610 B1 20080718**; CN 101360689 A 20090204; EP 1957418 A1 20080820; JP 2009517310 A 20090430; KR 20080068094 A 20080722; US 2009162623 A1 20090625; WO 2007060353 A1 20070531

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