

Title (en)

A METHOD FOR APPLYING A PATTERN TO A GLASS PANEL

Title (de)

VERFAHREN ZUM AUFBRINGEN EINES MUSTERS AUF EINE GLASPLATTE

Title (fr)

PROCEDE D'APPLICATION DE MOTIF A UN PANNEAU DE VERRE

Publication

**EP 1718573 A1 20061108 (EN)**

Application

**EP 04714410 A 20040225**

Priority

IE 2004000027 W 20040225

Abstract (en)

[origin: WO2005080281A1] A method for applying a pattern (10) to a glass panel for simulating a Georgian style lattice window comprises applying a surface coating composition to form bands (14, 15) of the pattern (10) by airless spraying through a nozzle (20). The surface coating composition comprises a mineral based ink of the type suitable for ceramics applications which is provided in powder form of particle sizes in the range of 1 micron to 7.6 microns. The mineral based ink is mixed with a liquid solvent for agglomerating the particles, and colour pigment is added as appropriate. The surface coating composition is applied to an inner surface (11) of the glass panel (3) to a depth of approximately 200 microns to form the bands (14, 15), although the surface coating composition may be applied up to a depth of 1,200 microns. The surface coating composition of the bands (14, 15) is then dried, and the panel (3) is then toughened at a toughening temperature of the order of 700 °C for a time period of approximately one and a half minutes, which also causes the surface coating composition forming the pattern (10) to fuse to the glass.

IPC 8 full level

**C03C 17/00** (2006.01); **B05B 1/04** (2006.01); **E06B 3/66** (2006.01)

CPC (source: EP)

**B05B 1/042** (2013.01); **B44F 1/063** (2013.01); **C03C 17/002** (2013.01); **C03C 17/04** (2013.01); **C03C 2217/72** (2013.01); **E06B 3/6604** (2013.01)

Citation (search report)

See references of WO 2005080281A1

Citation (examination)

- US 5494715 A 19960227 - GLOVER MICHAEL [CA]
- DE 20310621 U1 20031009 - REDEL DIETER [DE]

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