

Title (en)

Continuously engraved laminated aluminium and use thereof in panels

Title (de)

Kontinuierlich graviertes, laminiertes Aluminium und dessen Benutzung in Paneelen

Title (fr)

Aluminium laminé et gravé en continu et son usage pour panneaux

Publication

EP 1710026 A1 20061011 (EN)

Application

EP 05381018 A 20050406

Priority

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Abstract (en)

The sheet (1) of aluminium, anodised in any colour or of the gloss type, is continuously engraved during its unwinding, either milled, or machined by lathe with numeric control, by means of cutter or squarer, with disk blade, circular saw or other means, defining some channels without remains or burrs of the extracted material, as well as of variable depth tied to the thickness of the aluminium sheet, the finishes of the groove (2) being configured in "Vee" or in half round or in square cut, as well as in combination of these last two finishes with the first, the sectioning of the unwound and engraved sheet defining some plates with the appearance of tiles or of multiple small tiles, provided with equidistant grooves (2) according to axes.

IPC 8 full level

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CPC (source: EP)

B21C 51/005 (2013.01); **B44C 5/04** (2013.01); **E04C 2/292** (2013.01); **E04F 11/112** (2013.01); **E04F 13/123** (2013.01); **E04F 15/02161** (2013.01)

Citation (applicant)

- EP 0538101 A1 19930421 - BELLON LABOR SA ROGER [FR]
- US 4212343 A 19800715 - NARASIMHAN MANDAYAM C [US]

Citation (search report)

- [X] US 4212343 A 19800715 - NARASIMHAN MANDAYAM C [US]
- [X] US 4865117 A 19890912 - BARTLETT EDWIN S [US], et al
- [X] US 2003154679 A1 20030821 - SWISZCZ PAUL G [US], et al
- [X] US 3955261 A 19760511 - APPEL CARL, et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11 3 January 2001 (2001-01-03)

Cited by

FR2983220A1; ITMI20092043A1

Designated contracting state (EPC)

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