Title (en)

Method of profiling a cladding element

Title (de)

Verfahren zur Profilierung der Oberfläche eines Verkleidungselements

Title (fr)

Procédé de profilage d'un élément de revêtement

Publication

EP 1152093 A1 20011107 (DE)

Application

EP 01118204 A 19980812

Priority

- DE 19734943 A 19970812
- DE 19736870 A 19970825
- DE 19746459 A 19971021
- EP 98250288 A 19980812

Abstract (en)

The facade cladding has a body of mineral wool, with the fiber alignment at right angles to its laying surface at the rear side. The visible surface is given a contoured structure by dry embossing. The mineral wool cladding (27) is produced in one or more layers (36,37), with the fibers standing upright. The outer surface of erect fibers is shaped by dry embossing, without added shape stabilizers or fluids. The embossing pressure forms depressed concave zones (26) where the fiber ends are either broken or shaped with an irreversible distortion. The broken/distorted fiber ends are compressed together at the outer surface of the material to give a smooth embossed pattern surface. The compressed zones have a density of 50-170 kg/m<3>. Before embossing, the fibers pass through an impregnation and hardening station to fix their alignment. A closed profile is worked into the surface areas where the embossing has imposed a concave surface structure, and an open profile can be embossed alongside. The cladding material production is continuous, using a mineral wool web passed through the processing stages. After embossing, the cladding material is cut to size and shape.

Abstract (de)

Verkleidungselement aus Mineralwolle. <IMAGE>

IPC 1-7

E04B 1/76; D04H 1/70; D04H 1/00; E04F 13/08

IPC 8 full level

D04H 1/00 (2006.01); **D04H 1/4209** (2012.01); **D04H 1/54** (2012.01); **D04H 1/64** (2012.01); **D04H 1/70** (2012.01); **E04B 1/76** (2006.01); **E04B 1/78** (2006.01); **E04F 13/08** (2006.01); **E04F 19/02** (2006.01); E04F 19/04 (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 230 (M - 333) 23 October 1984 (1984-10-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 115 (C - 415) 10 April 1987 (1987-04-10)

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AT BE CH DE DK FI FR GB IT LI LU NL SE

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