

Title (en)

Sound absorbing construction elements, noise barrier wall built from such sound absorbing elements and method of construction of such a noise barrier wall

Title (de)

Schallabsorbierende Bauelemente, Lärmschutzwand aus derartigen schallabsorbierenden Bauelementen und Verfahren zur Herstellung dieser Lärmschutzwand

Title (fr)

Éléments de construction absorbant le bruit, mur anti-bruit construit avec ces éléments anti-bruit et méthode de construction d'un tel mur anti-bruit

Publication

EP 1508650 A3 20051228 (DE)

Application

EP 04019897 A 20040820

Priority

DE 10338213 A 20030820

Abstract (en)

[origin: EP1508650A2] The element (1) has a face shell (3) comprising expanded glass. The glass is sintered expanded glass or contains expanded glass granules. The element comprises a support panel (2) and a face shell covering at least one side of the panel. The shell comprises a sound absorbing material. An independent claim is also included for the a noise barrier production method in which expanded glass panels are laid parallel and next to each other in a shuttering, concrete is poured into the shuttering and allowed to set and preferably vertical supports (7) are introduced before removing the barrier from the shuttering.

IPC 1-7

E04B 1/86; **E01F 8/00**

IPC 8 full level

E01F 8/00 (2006.01); **E04B 1/74** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP)

E01F 8/0029 (2013.01); **E01F 8/0082** (2013.01); **E04B 2001/742** (2013.01); **E04B 2001/8414** (2013.01); **E04B 2001/8461** (2013.01); **E04B 2001/848** (2013.01)

Citation (search report)

- [XA] WO 03008711 A1 20030130 - ANDERMATT PAUL [CH]
- [A] DE 4408177 A1 19950914 - LIAS FRANKEN LEICHTBAU GMBH [DE]
- [A] DE 10050134 A1 20010419 - GROETZ GEORG [DE]

Cited by

CN107022961A; CN104532974A; FR2873389A1; DE102016124755B3; US11455978B2; DE102015109808A1; DE102015109807A1; WO2016203057A1; WO2018114522A1

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