

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

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1508650 A2 20050223**; **EP 1508650 A3 20051228**; **EP 1508650 B1 20080123**; AT E384835 T1 20080215; DE 10338213 A1 20050310; DE 502004006013 D1 20080313; PL 1508650 T3 20080731

DOCDB simple family (application)

**EP 04019897 A 20040820**; AT 04019897 T 20040820; DE 10338213 A 20030820; DE 502004006013 T 20040820; PL 04019897 T 20040820