

Title (en)

NOISE PROTECTION WALL AND METHOD FOR PRODUCING A NOISE PROTECTION WALL

Title (de)

LÄRMSCHUTZWAND UND VERFAHREN ZUR HERSTELLUNG EINER LÄRMSCHUTZWAND

Title (fr)

PAROI D'ISOLATION ACOUSTIQUE ET PROCEDE POUR REALISER UNE PAROI D'ISOLATION ACOUSTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2006099839A1] The invention relates to a noise protection wall (1) with a single-layer or double-layer structure. Respectively one wall element (3) forms the front wall and the rear wall of the noise protection wall (1), between two interspaced supports (2) consisting of a U-shaped steel girder. The supports (2) are respectively anchored in the ground by means of a foundation element. The wall elements (3) are respectively applied to the inner side of the connecting section (5) of the support (2), and are held in the groove (6) formed by the support (2) and oriented towards the wall elements (3), thus withstanding the pressure of the filling. A plurality of respectively 6 cm thick wall elements (3) are superimposed in the groove (6) and adhered to each other on the front sides thereof. The wall elements of the noise protection wall consist of a combination of compressed mineral aggregates or aggregates consisting of glass and organic adhesive. High sound-insulating values are achieved as a result of the high porosity of the wall elements and the nonetheless high density of the building material.

IPC 8 full level

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Citation (search report)

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