

Title (en)
Structural panel with shielding effect

Title (de)
Bauplatte mit Abschirmwirkung

Title (fr)
Panneau de construction ayant un effet de blindage

Publication
EP 2053176 B1 20191127 (DE)

Application
EP 08167359 A 20081023

Priority

- DE 102007050780 A 20071024
- EP 07120428 A 20071112
- EP 08167359 A 20081023

Abstract (en)
[origin: EP2053176A1] The panel has a plaster core, and a single-sided or double-sided coating provided with a geomembrane, where a surface of the panel is covered with a metal foil, which is made of aluminum, zinc, or tin, and water-vapor diffusion resistance value of the panel is 0.7 to 4.5 meters. The metal foil is micro-perforated by holes with a size of 50 to 1400 micrometers, where 100 to 10000 holes are provided per square meter surface of the panel. Thickness of the metal foil lies in the range of 5 to 40 micrometers, and sides of the metal foil are provided with a paper layer. An independent claim is also included for a method for producing a structural panel.

IPC 8 full level
E04C 2/04 (2006.01); **B32B 13/06** (2006.01)

CPC (source: EP)
E04C 2/043 (2013.01)

Cited by
CN113602817A; US9251778B2

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