

Title (en)

RIGID PANEL FOR CONSTRUCTION WITH CENTRAL FOAMED LAYER AND RESIN COATING

Title (de)

STARRE PLATTE FÜR KONSTRUKTION MIT ZENTRALER SCHAUMSCHICHT UND HARZBESCHICHTUNG

Title (fr)

PANNEAU RIGIDE POUR CONSTRUCTION AVEC COUCHE EXPANSÉE CENTRALE ET REVÊTEMENT EN RÉSINE

Publication

EP 4326802 A1 20240228 (EN)

Application

EP 22718309 A 20220414

Priority

- IT 202100010037 A 20210421
- IB 2022053513 W 20220414

Abstract (en)

[origin: WO2022224098A1] Rigid panel for construction (10), of the multi-layer type, made up of a central layer (101) in XPS polystyrene or expanded polyurethane, and of an outer layer (102a, 102b), structurally cooperating, in a particular two-component polyurethane resin (A1- A12, B1). They (102a, 102b) are combined in an integral and symmetrical way to the two opposite faces of the central layer (101), a layer on each face, being directly formed thereon with equal thickness and formulation, so as to obtain a rigid panel (10) provided with a high resistance to bending, impacts, damp and also able to support the direct grab of glues or cement mortars. The panel is usable as an element for building walls, infill walls, floors or subfloors, it supports the direct laying of tiles or plasters, and it is suitable for damp environments as in the case of bathrooms, saunas, laundry rooms or kitchens.

IPC 8 full level

C08J 7/04 (2020.01); **B32B 5/18** (2006.01); **C08J 9/36** (2006.01); **C09J 175/04** (2006.01); **C09J 175/08** (2006.01)

CPC (source: EP)

B32B 3/30 (2013.01); **B32B 5/18** (2013.01); **B32B 7/12** (2013.01); **B32B 9/045** (2013.01); **B32B 13/12** (2013.01); **B32B 27/065** (2013.01); **B32B 27/18** (2013.01); **B32B 27/40** (2013.01); **C08G 18/3212** (2013.01); **C08G 18/36** (2013.01); **C08G 18/48** (2013.01); **C08J 7/0423** (2020.01); **C09J 175/04** (2013.01); **C09J 175/08** (2013.01); **B32B 2250/40** (2013.01); **B32B 2262/101** (2013.01); **B32B 2264/104** (2013.01); **B32B 2264/1059** (2020.08); **B32B 2264/108** (2013.01); **B32B 2266/0228** (2013.01); **B32B 2266/0278** (2013.01); **B32B 2266/04** (2013.01); **B32B 2307/304** (2013.01); **B32B 2307/3065** (2013.01); **B32B 2307/546** (2013.01); **B32B 2307/5825** (2013.01); **B32B 2307/72** (2013.01); **B32B 2307/7246** (2013.01); **B32B 2307/732** (2013.01); **B32B 2607/00** (2013.01); **C08G 2110/0025** (2021.01); **C08J 2325/06** (2013.01); **C08J 2375/04** (2013.01); **C08J 2475/08** (2013.01)

Citation (search report)

See references of WO 2022224098A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022224098 A1 20221027; EP 4326802 A1 20240228; IT 202100010037 A1 20221021

DOCDB simple family (application)

IB 2022053513 W 20220414; EP 22718309 A 20220414; IT 202100010037 A 20210421