

Title (en)

FLOOR DECK STRUCTURE AND COMPOSITE FLOOR DECK

Title (de)

FUSSBODENBELAGSSTRUKTUR UND VERBUNDBODENBELAG

Title (fr)

STRUCTURE DE PLATELAGE DE PLANCHER ET PLATELAGE DE PLANCHER COMPOSITE

Publication

**EP 4320317 A1 20240214 (EN)**

Application

**EP 22714621 A 20220406**

Priority

- IB 2021052830 W 20210406
- IB 2022053205 W 20220406

Abstract (en)

[origin: WO202214990A1] The invention relates to a floor deck structure (1) comprising: - a profiled metallic sheet (2) comprising at least a first, a second and a third upper portion (7) separated by a first and a second longitudinal groove (3) comprising a base (5), a first lateral wall (13) linking the base (5) to one of the upper portions and a second lateral wall (14) linking the base (5) to an adjacent upper portion (7); - a first and a second rebar truss (10) each extending longitudinally in and/or above, respectively, the first and second longitudinal groove (3) and - a plurality of connectors (9a) fastening the first and the second rebar trusses (10) to the profiled metallic sheet (2).

IPC 8 full level

**E04B 5/10** (2006.01); **E04B 5/40** (2006.01); **E04C 5/16** (2006.01); **E04C 5/18** (2006.01); **E04C 5/20** (2006.01)

CPC (source: EP US)

**E04B 5/10** (2013.01 - EP); **E04B 5/40** (2013.01 - EP US); **E04C 5/18** (2013.01 - EP); **E04C 5/20** (2013.01 - EP); **E04B 2103/02** (2013.01 - US); **E04B 2103/06** (2013.01 - US); **E04C 5/168** (2013.01 - EP)

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 202214990 A1 20221013**; BR 112023019644 A2 20231031; CA 3214629 A1 20221013; EP 4320317 A1 20240214; US 2024183153 A1 20240606; WO 202214845 A1 20221013

DOCDB simple family (application)

**IB 2022053205 W 20220406**; BR 112023019644 A 20220406; CA 3214629 A 20220406; EP 22714621 A 20220406; IB 2021052830 W 20210406; US 202218283857 A 20220406