

Title (en)

SUPPORT ELEMENT AND METHOD FOR MANUFACTURING THE SAME

Title (de)

TRAGELEMENT SOWIE VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN

Title (fr)

ÉLÉMENT PORTEUR, AINSI QUE PROCÉDÉ DE FABRICATION D'UN TEL ÉLÉMENT PORTEUR

Publication

**EP 4187036 B1 20230920 (DE)**

Application

**EP 21211261 A 20211130**

Priority

EP 21211261 A 20211130

Abstract (en)

[origin: WO2023099145A1] The invention relates to a support element, having an upper belt (1), a lower belt (2) and an intermediate element (3) connecting the upper belt (1) to the lower belt (2), wherein the intermediate element (3) is formed by a metal sheet, in particular a trapezoidal metal sheet, having elevations (4) and depressions (5). To achieve simple and at the same time process-safe production, according to the invention it is provided that the intermediate element (3) rests at least in some areas against the upper belt (1) and lower belt (2) and the metal sheet is connected to the upper belt (1) and lower belt (2) by means of screws, wherein screw heads (6) of the screws are arranged on the outside of the upper belt (1) or lower belt (2) and the screws are screwed into press nuts (7) attached to the intermediate element (3). In addition, the invention relates to a method for producing a support element, wherein an upper belt (1) and a lower belt (2) are provided, after which an intermediate element (3) having elevations (4) and depressions (5) is connected to the upper belt (1) and lower belt (2) by means of screws.

IPC 8 full level

**E04C 3/07** (2006.01)

CPC (source: EP)

**E04C 3/07** (2013.01)

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

Designated validation state (EPC)

MA TN

DOCDB simple family (publication)

**EP 4187036 A1 20230531; EP 4187036 B1 20230920; EP 4187036 C0 20230920**; PL 4187036 T3 20240304; WO 2023099145 A1 20230608

DOCDB simple family (application)

**EP 21211261 A 20211130**; EP 2022081436 W 20221110; PL 21211261 T 20211130