

Title (en)
PROFILE SYSTEM

Title (de)
PROFILANORDNUNG

Title (fr)
AGENCEMENT DE PROFILÉS

Publication
EP 3914799 C0 20230726 (DE)

Application
EP 20702417 A 20200121

Priority
• DE 102019101451 A 20190121
• EP 2020051431 W 20200121

Abstract (en)
[origin: WO2020152180A1] The present invention relates to a profile system, comprising a first profile element designed as a horizontal profile, a second profile element designed as a vertical profile, a profile connector element and at least one U-shaped fastener to connect the two profile elements together using the profile connector element. The first profile element has guide channels which extend in the longitudinal direction of the profile to receive the two leg parts of the profile connector element. In addition, the first profile element has at least one fastening channel for receiving the at least one fastener in a force-locked or frictionally interlocking manner. Seen in cross-section, the second profile element has a U-shaped cut-out for receiving, in parts, the profile connector element. The profile connector element, in the main part thereof, and the second profile element, in the base of the U-shaped cut-out therein, each have at least one mounting port, corresponding to the fastening channel of the first profile element, through which the fastener can be guided. According to the invention, at least the second profile element is designed in multiple parts and has at least a first profile shell portion, arranged towards the interior, and a second profile shell portion, arranged towards the exterior, with the profile shell portions being connected to one another and thermally insulated from one another by at least one insulating element, and with a connection, which is flexible under shear stress, between the profile shell portion arranged towards the interior and the profile shell portion arranged towards the exterior being ensured at least in the second profile element by means of the insulating element itself or by the connection of the insulating element to one of the two connected profile shell portions.

IPC 8 full level
E06B 3/96 (2006.01)

CPC (source: EP US)
E06B 3/26305 (2013.01 - US); **E06B 3/9636** (2013.01 - EP); **E06B 3/9642** (2013.01 - EP US); **E06B 3/9687** (2013.01 - US);
E06B 2003/2631 (2013.01 - US)

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
DE 102019101451 A1 20200723; EP 3914799 A1 20211201; EP 3914799 B1 20230726; EP 3914799 C0 20230726; US 11840878 B2 20231212;
US 2022098924 A1 20220331; WO 2020152180 A1 20200730

DOCDB simple family (application)
DE 102019101451 A 20190121; EP 2020051431 W 20200121; EP 20702417 A 20200121; US 202017424076 A 20200121