

Title (en)  
HYBRID INSULATOR FOR JOINING METAL PROFILES IN FAÇADE, WINDOW OR DOOR CONSTRUCTION AND COMPOSITE PROFILE SYSTEM COMPRISING A HYBRID INSULATOR

Title (de)  
HYBRIDISOLATOR ZUM VERBINDEN VON METALLPROFILIEN IM FASSADEN-, FENSTER- ODER TÜRENBAU UND VERBUNDPROFILSYSTEM MIT EINEM HYBRIDISOLATOR

Title (fr)  
ISOLANT HYBRIDE POUR ASSEMBLER DES PROFILÉS MÉTALLIQUES POUR LA CONSTRUCTION DE FAÇADES, DE FENÊTRES OU DE PORTES ET SYSTÈME DE PROFILÉ COMPOSITE COMPRENANT UN ISOLANT HYBRIDE

Publication  
**EP 4314464 A1 20240207 (DE)**

Application  
**EP 21718196 A 20210325**

Priority  
IB 2021052498 W 20210325

Abstract (en)  
[origin: WO2022200835A1] The invention relates to a hybrid insulator 20 for joining metal profiles 80 in façade, window or door construction comprising a first metal reinforcement 21 coated with a first plastics layer 35. The first metal reinforcement 21 protrudes out of the first plastics layer 35 in regions, wherein the first metal reinforcement 21 is an elongate sheet metal and has a sheet thickness of 0.15 to 1.2 mm. The invention further relates to a composite profile system.

IPC 8 full level  
**E06B 3/20** (2006.01); **B29C 48/12** (2019.01); **B29C 48/16** (2019.01); **B29C 48/34** (2019.01); **B29C 48/49** (2019.01)

CPC (source: EP)  
**B29C 48/12** (2019.01); **B29C 48/16** (2019.01); **B29C 48/34** (2019.01); **B29C 48/49** (2019.01); **E06B 3/205** (2013.01); **E06B 3/2735** (2013.01); **E06B 2003/26329** (2013.01); **E06B 2003/2637** (2013.01)

Citation (search report)  
See references of WO 2022200835A1

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)  
**EP 4063603 A1 20220928**; EP 4314464 A1 20240207; WO 2022200835 A1 20220929

DOCDB simple family (application)  
**EP 21166794 A 20210401**; EP 21718196 A 20210325; IB 2021052498 W 20210325