

Title (en)  
SPACER PROFILE COMPRISING A REINFORCEMENT

Title (de)  
ABSTANDHALTERPROFIL MIT EINER VERSTÄRKUNG

Title (fr)  
PROFILÉ D'ENTRETOISE COMPORTANT UN ÉLÉMENT DE RENFORCEMENT

Publication  
**EP 2780528 B1 20160518 (EN)**

Application  
**EP 13779742 A 20131018**

Priority  

- EP 12189486 A 20121022
- EP 12189631 A 20121023
- EP 13150890 A 20130110
- EP 2013003151 W 20131018
- EP 13779742 A 20131018

Abstract (en)  
[origin: WO2014063801A1] Spacer profile (1) for use as part of a spacer profile frame, extending in a longitudinal direction (z) and having a first width (b1) in a transverse direction (x) and a first height (h1) in a height direction (y) and comprising a profile body (10) which comprises an inner wall (20), an outer wall (22) having a second width (b2) in the transverse direction being smaller than the first width (b1), side walls (24, 26) connected to the inner wall (20) at inner corner portions (32, 34), wherein connection walls (28), which have concave outer surfaces, extend between the side walls (24, 26) and the outer wall (22) such that a chamber (35) is formed, a diffusion barrier layer (40) is provided, and at least one reinforcement (36, 38; 42, 44) provided in each of the inner corner portions (32, 34).

IPC 8 full level  
**E06B 3/663** (2006.01)

CPC (source: EP)  
**E06B 3/66319** (2013.01); **E06B 2003/6638** (2013.01)

Citation (opposition)  
Opponent : ROLLTECH A/S (DK)  

- US 7449224 B2 20081111 - ENSINGER WILFRIED [DE]
- US 2008053037 A1 20080306 - GALLAGHER RAYMOND G [US]
- US 8640406 B2 20140204 - BRUNNHOFER ERWIN [DE], et al
- US 5460862 A 19951024 - ROLLER ULRIKE [DE]
- WO 03074830 A1 20030912 - ENSINGER KUNSTSTOFFTECHNOLOGIE [DE], et al

Cited by  
WO2020083777A1

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

DOCDB simple family (publication)  
**WO 2014063801 A1 20140501**; CN 104736788 A 20150624; CN 104736788 B 20171024; EP 2780528 A1 20140924; EP 2780528 B1 20160518

DOCDB simple family (application)  
**EP 2013003151 W 20131018**; CN 201380055007 A 20131018; EP 13779742 A 20131018