

Title (en)  
GRID TEE FOR SUSPENDED CEILING

Title (de)  
GITTERPROFIL FÜR ABGEHÄNGTE DECKE

Title (fr)  
TÉ DE GRILLE POUR PLAFOND SUSPENDU

Publication  
**EP 3976898 A1 20220406 (EN)**

Application  
**EP 20730411 A 20200531**

Priority  
• US 201962856217 P 20190603  
• US 202016854184 A 20200421  
• EP 2020065104 W 20200531

Abstract (en)  
[origin: US2020378116A1] A suspended ceiling grid main runner is provided that has a cross-section generally in the form of an inverted T, with a central web, a pair of panel support flanges extending from one edge of the web, and a reinforcing bulb extending from the other edge of the web. The main runner includes an integrally-formed interlocking connector, first and second series of longitudinally extending, spaced apart stitches in the web adjacent to the bulb and flanges, hemmed flanges including a cap, and an enlarged reinforcement bulb, which together increase the structural strength of the main runner sufficient to compensate for a reduction in the thickness of the metal strip from which the main runner is formed.

IPC 8 full level  
**E04B 9/06** (2006.01); **E04B 9/10** (2006.01); **E04B 9/12** (2006.01)

CPC (source: EP US)  
**E04B 9/068** (2013.01 - EP US); **E04B 9/10** (2013.01 - EP US); **E04B 9/122** (2013.01 - EP); **E04B 9/125** (2013.01 - EP);  
**E04B 9/127** (2013.01 - US)

Citation (search report)  
See references of WO 2020245067A1

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

DOCDB simple family (publication)  
**US 2020378116 A1 20201203**; DK 3976898 T3 20230814; EP 3976898 A1 20220406; EP 3976898 B1 20230531; ES 2950840 T3 20231013;  
PL 3976898 T3 20230731; WO 2020245067 A1 20201210

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**US 202016854184 A 20200421**; DK 20730411 T 20200531; EP 2020065104 W 20200531; EP 20730411 A 20200531; ES 20730411 T 20200531;  
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