

Title (en)

Cross runner for use in a ceiling frame with a locally impressed nose section

Title (de)

Querschiene zur Verwendung in einem Deckenrahmen zum Halten von Deckenplatten mit lokal aufgedrücktem Ansatzteil

Title (fr)

Coulisseau transversal pour utilisation dans un support pour panneaux de plafond avec une section avant localement imprimée

Publication

EP 2085531 A2 20090805 (EN)

Application

EP 09151424 A 20090127

Priority

- EP 08075069 A 20080129
- EP 09151424 A 20090127

Abstract (en)

A ceiling frame for holding ceiling panels, comprising a plurality of main runners, at least one cross runner 2 having a longitudinal direction and coupling means 7 for coupling the main runners with each other, in which the cross runner 2 comprises an upright longitudinally extending web 3 having flanges 4 extending in opposite sideways directions at its lower end for supporting edges of ceiling panels upon, and having a longitudinally extending hollow profile 6 at its upper end for providing strength. The cross runner 2 further comprises a heat expansion nose section 10 provided on at least one of its free end parts, in which the heat expansion nose section 10 forms an integral part of the cross runner 2 in that it comprises a free end part 11 of the hollow profile 6 which is separate from at least a lower part of the web 3 by a cut 12 which is at least partially 12a extending in the longitudinal direction up till an intended folding line 25 such that the nose section 10 is able to fold around the folding line 25. An impression 21 is provided in the free end part of the hollow profile 6. The impression 21 extends over at least a lower part 20 of the hollow profile 6. The cut 12 also extends partially 12b upwards through the lower part 20 of the hollow profile 6. The upwardly extending part 12b of the cut 12 runs through the impression 21, and an upper part 23 of the hollow profile 6 which lies substantially in line with the upwardly extending part 12b of the cut forms the folding line 25.

IPC 8 full level

E04B 9/08 (2006.01); **E04B 9/12** (2006.01)

CPC (source: EP)

E04B 9/08 (2013.01); **E04B 9/122** (2013.01)

Citation (applicant)

EP 1703034 A1 20060920 - CHICAGO METALLIC CONTINENTAL [BE]

Cited by

RU2658927C1; RU2694635C1; RU2663519C1; WO2019059815A1; WO2019112486A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2085530 A1 20090805; EP 2085531 A2 20090805; EP 2085531 A3 20130904; EP 2085531 B1 20150318; ES 2537968 T3 20150616; PL 2085531 T3 20150831

DOCDB simple family (application)

EP 08075069 A 20080129; EP 09151424 A 20090127; ES 09151424 T 20090127; PL 09151424 T 20090127