

Title (en)

ROOF GIRDER AND PREMANUFACTURED ROOF PLATE ELEMENT WITH ROOF GIRDERS

Title (de)

DACHTRÄGER UND VORGEFERTIGTES DACHAUFLAGEPLATTENELEMENT MIT DACHTRÄGERN

Title (fr)

POUTRE DE TOIT ET ÉLÉMENT DE TYPE PLAQUE DE TOIT PRÉFABRIQUÉ COMPORTANT DES POUTRES DE TOIT

Publication

**EP 2678491 A1 20140101 (EN)**

Application

**EP 12714553 A 20120222**

Priority

- DK PA201170104 A 20110225
- DK 2012050061 W 20120222

Abstract (en)

[origin: WO2012113406A1] A roof girder (12) consisting of two predominantly U-shaped metal sections (8, 10), the lower and upper sides of which face each other, and which is designed with narrow outwardly bent edges (14, 16), the roof girder (12) at opposing upper and lower narrow sides are corrugated in longitudinal direction, wherein the metal sections (8, 10) at the upper and lower open sides, respectively, are interconnected by means of connecting plates or partitionings (34, 38) which are fastened to substantial, substantially vertical sides of the metal sections (8, 10) in such a way that there is a spacing (A) between the narrow outwardly bent edges (14, 16) of respective lower and upper metal sections (8, 10). By means of simple technical measures can hereby be achieved substantial projecting advantages and which furthermore have appeared to enable an architecturally very simple and light construction of the visible part of the roof plate on a building. At the same time is furthermore achieved that the roof girder invention in a simple way is provided the required space for additional layers of insulating material in order to fulfil the raised requirements to insulation, i.e. meet the current standards of the building regulation to reduced  $\lambda$ - and U-values (coefficient of thermal conductivity and thermal conductivity, respectively).

IPC 8 full level

**E04C 3/07** (2006.01); **E04B 7/20** (2006.01); **E04C 3/04** (2006.01)

CPC (source: EP)

**E04B 7/22** (2013.01); **E04C 3/09** (2013.01); **E04C 3/11** (2013.01); **E04C 2003/0413** (2013.01); **E04C 2003/043** (2013.01); **E04C 2003/0465** (2013.01); **E04C 2003/0491** (2013.01)

Citation (search report)

See references of WO 2012113406A1

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 2012113406 A1 20120830**; CN 103562474 A 20140205; CN 103562474 B 20160413; DK 2678491 T3 20150720; EP 2678491 A1 20140101; EP 2678491 B1 20150422; PL 2678491 T3 20151030

DOCDB simple family (application)

**DK 2012050061 W 20120222**; CN 201280020063 A 20120222; DK 12714553 T 20120222; EP 12714553 A 20120222; PL 12714553 T 20120222