

Title (en)

A PURLIN, A ROOFING STRUCTURE AND A METHOD OF FORMING A ROOFING STRUCTURE

Title (de)

DACHEINDECKUNG, DACHKONSTRUKTION UND VERFAHREN ZUR HERSTELLUNG EINER DACHKONSTRUKTION

Title (fr)

PANNE, STRUCTURE DE TOITURE ET PROCÉDÉ DE FORMATION D'UNE STRUCTURE DE TOITURE

Publication

**EP 4390003 A1 20240626 (EN)**

Application

**EP 22214684 A 20221219**

Priority

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Abstract (en)

A purlin comprising an elongate member which forms a profile having two opposing sides and an intermediate body portion. The intermediate body portion has formed therein a series of apertures for attaching the purlin to another purlin or to a cleat for securing the purlin to a roofing structure. The series of apertures formed therein include four apertures arranged in a rectangular pattern and with one of the apertures being in the form of a slot. Three apertures are dimensioned to be smaller than both the head of a bolt and the nut of a bolt, both of a given size, so that the purlin can be secured to another purlin or to a cleat by passing said bolt through a respective one of the apertures and securing said nut in place. The aperture in the form of a slot is dimensioned to be larger than both the head of said bolt and the nut of said bolt so that both the head and the nut of said bolt of a given size passes through the slot. A roofing structure comprising at least two such purlins is also disclosed. A method of forming a roofing structure comprises the steps of: (a) providing a cleat; (b) providing a first purlin of the invention; (c) securing the first purlin to the cleat using a nut and bolt; (d) providing a second purlin of the invention; (e) overlapping the second purlin and the first purlin so that the nut and/or bolt passes through the aperture in the form of a slot defined in the second purlin.

IPC 8 full level

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Citation (search report)

- [XA] EP 0132894 A1 19850213 - REGOUT NV THOMAS [NL]
- [A] EP 1327728 B1 20060517 - PROFIL DU FUTUR SA [FR]
- [A] US 2021388598 A1 20211216 - GOSLING GEOFF WILLIAM [CA]

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