

Title (en)

COLUMN AND BEAM UNIT FOR HUT CONSTRUCTION AND HUT STRUCTURE USING SAME

Title (de)

SÄULE UND TRÄGEREINHEIT FÜR HÜTTENKONSTRUKTION UND HÜTTENSTRUKTUR DAMIT

Title (fr)

UNITÉ COLONNE ET POUTRE POUR CONSTRUCTION DE HUTTE ET STRUCTURE DE HUTTE UTILISANT CELLE-CI

Publication

**EP 3369869 B1 20210428 (EN)**

Application

**EP 16859764 A 20161025**

Priority

- JP 2015212106 A 20151028
- JP 2016081513 W 20161025

Abstract (en)

[origin: EP3369869A1] [Problem to be solved] To provide a column and beam unit for hut construction and a hut structure using same that are durable, can retain the shape, and can ensure a spacious interior. [Solution] A column and beam unit (1) comprises: a pair of ascending beam members (2) that form a ridge and roof pitch by being disposed so that the ends of two rod-shaped members are coupled to each other and have a fixed open angle; a column member (3) that is erected and held by coupling the top end thereof to near an end of the ascending beam member on the side of a pole plate; a pair of ridge-side beam support member (4) that couple a position down from the ridge toward the pole plate side of one ascending beam member to a position near the approximate center of the other ascending beam member; and an eaves-side beam support member (5) that is disposed between and couples the ascending beam member and the column member coupled to the ascending beam member. The ridge-side beam support member and the eaves-side beam support member abut each other and are joined on the ends at the connection point. The hut structure is constructed by disposing a plurality of column and beam units at fixed intervals in the longitudinal direction, and coupling and retaining of the shape of each unit with a girder member, a main building member, and a pole plate member (81).

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

ANONYMOUS: "Dictionnaire raisonné de l'architecture française du Xle au XVIe siècle/Charpente - Wikisource", 14 June 2016 (2016-06-14), XP055700741, Retrieved from the Internet <URL:https://web.archive.org/web/20160614184543/https://fr.wikisource.org/wiki/Dictionnaire\_raisonné\_de\_l'architecture\_française\_du\_Xle\_au\_XVIe\_siècle/Charpente> [retrieved on 20200603]

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