

Title (en)
System of elements of supporting structure of a three-dimensional framework

Title (de)
Anordnung von Tragstruktur-Elementen eines Raumtragwerkes

Title (fr)
Système d'éléments de structure portante d'ossature tridimensionnelle

Publication
EP 1698745 A3 20061102 (DE)

Application
EP 06012580 A 19990211

Priority
• EP 04013072 A 19990211
• EP 99102598 A 19990211
• DE 19806094 A 19980214

Abstract (en)
[origin: EP0936327A1] The support structure has a locking unit (35) with the locking head (40.1) with a horizontal slit to be secured to a perforated disk (30) on the pole (21). The locking head (40.1) has wedge openings (152) for an inserted wedge (41). The locking head (40.1), of malleable cast iron, has a laying section (80) and connector (50). The laying section (80) has walls (51) with surfaces to bear against the pole (21). The locking head (40.1) is contained within the surfaces of side walls (46.1, 46.2) and upper and lower walls, with the forces transferred between them through working zones. The locking head (40.1) is locked to a rod, and especially a tube (38), or the connection can be through a bolt with a U-profile or a diagonal linkage rod. The sections of the locking head (40.1) have walls of the same thickness.

IPC 8 full level
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CPC (source: EP)
E04G 7/22 (2013.01); **E04G 7/307** (2013.01); **E04G 7/32** (2013.01)

Citation (search report)
• [DX] DE 3934857 A1 19910425 - LANGER RUTH GEB LAYHER [DE]
• [X] US 4867274 A 19890919 - LANGER RUTH GEB LAYHER [DE]
• [DA] FR 2723153 A1 19960202 - ABC MINET SA [FR]
• [E] WO 9928573 A1 19990610 - PLETTAC AG [DE], et al & DE 19753295 A1 19990602 - PLETTAC AG [DE]

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FR2939464A1; FR3057595A1; FR3058432A1; US8978822B2; WO2008043339A1

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EP 99102598 A 19990211; AT 04013072 T 19990211; AT 99102598 T 19990211; DE 19806094 A 19980214; DE 59911887 T 19990211; DE 59913767 T 19990211; EP 04013072 A 19990211; EP 06012580 A 19990211; ES 04013072 T 19990211; ES 99102598 T 19990211; PL 33144399 A 19990212; PT 04013072 T 19990211; PT 99102598 T 19990211; TR 9900311 A 19990212