

Title (en)
Scaffolding.

Title (de)
Gitter-Leichttragwerk.

Title (fr)
Echafaudage.

Publication
EP 0140984 A1 19850515 (DE)

Application
EP 83109374 A 19830921

Priority
DE 8326410 U 19830914

Abstract (en)
1. A lightweight lattice support structure (1) for assembly and servicing scaffolding or platforms or the like which may or may not be mobile, the structure comprising tubular vertical support elements and horizontal support elements (2, 3) and possibly diagonal struts (4) connected by assemblable couplings (6) at the lattice junctions (5), the couplings (6) being divided into two half-shells (8, 9) along a plane (7) coinciding with the longitudinal axes of the horizontal support elements and of the vertical support elements, each half-shell having inner pressure surfaces, which engage non-positively around the outside of the support elements (2), and outside pressure surfaces around which another support element (3) engages non-positively, a projection (15) near the inside pressure surfaces of each half-shell (8, 9) co-operating with a companion aperture (16) in the associated support element (2) to form an additional positive connection, characterised in that inwardly projecting collars (17) are provided as inner pressure surfaces (22) on the coupling and extend all the way around the periphery of the vertical support elements ; and the outer pressure surfaces (21) are formed with recesses (13) and the horizontal support elements (3) have companion projection (14) which engage positively in the recesses (13).

Abstract (de)
Das Gitter-Leichttragwerk (1) ist für ggfs. fahrbare Arbeits-, Montage-, Wartungsgerüste oder -plattformen u. dgl. vorgesehen. Es besteht aus rohrförmigen Vertikal- und Horizontaltragelementen (2, 3), die an den Gitterknotenpunkten miteinander verbunden sind sowie ggfs. aus Diagonalstreben. Um die Nachteile der bisherigen Schweißverbindungen zu vermeiden und die Montage zu vereinfachen, sind die Vertikal- und Horizontaltragelemente (2, 3) mittels montierbarer Knotenverbinder (6) verbunden, die mit den Vertikal- und Horizontaltragelementen (2, 3) einen Form- und Kraftschluß bilden, wobei die Knotenverbinder (6) jeweils in zwei Halbschalen (8, 9) geteilt sind, die die Vertikaltragelemente (2) kraftschlüssig umgreifen und mittels Vorsprungen (15) in dazu korrespondierende Löcher (16) der Vertikaltragelemente (2) formschlüssig eingreifen, und die Knotenverbinder (6) weiterhin Anschlußzapfen (11) bilden, auf die die Horizontaltragelemente (3) aufgeschoben und kraftschlüssig gehalten sind.

IPC 1-7
E04G 7/22; **E04G 7/24**

IPC 8 full level
E04G 7/22 (2006.01); **E04G 7/24** (2006.01)

CPC (source: EP)
E04G 7/22 (2013.01); **E04G 7/24** (2013.01)

Citation (search report)
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