

Title (en)

SCAFFOLD AND METHODS FOR INSTALLING OR REMOVING SUCH A SCAFFOLD

Title (de)

BAUGERÜST UND VERFAHREN ZUM MONTIEREN BZW. DEMONTIEREN EINES DERARTIGEN BAUGERÜSTS

Title (fr)

ÉCHAFAUDAGE ET PROCÉDÉ DE MONTAGE OU DE DÉMONTAGE D'UN TEL ÉCHAFAUDAGE

Publication

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Application

**EP 10812979 A 20101201**

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Abstract (en)

[origin: WO2011100941A1] The invention relates to a scaffold (20) and to methods for installing or removing such a scaffold (20), which is constructed of at least two vertical frames (25.1, 25.2) and at least two connecting elements (28.1, 28.2) that each extend substantially horizontally, having the following characteristics: a) at least one vertical frame (25.2) of the vertical frames (25.1, 25.2) is placed onto one vertical frame (25.1, 25.2) of the vertical frames (25.1, 25.2), wherein a vertical frame arrangement (39.1, 39.2) in the form of a vertical frame support (48.1, 48.2) is formed; b) the vertical frames (25.1, 25.2) of the vertical frame support (48.1, 48.2) each comprise at least two parallel vertical supports (30.1, 30.2, 30.3, 30.4), which are arranged at a horizontal distance (31); c) the vertical frames (25.1, 25.2) of the vertical frame support (48.1, 48.2) each comprise at least two parallel horizontal arms (35.1, 35.2, 35.3, 35.4), which are arranged at a vertical distance (36.1, 36.2); d) the horizontal arms (35.1, 35.2, 35.3, 35.4) of the vertical frames (25.1, 25.2) each extend between the at least two vertical supports (30.1, 30.2, 30.3, 30.4) of the respective vertical frame (25.1, 25.2) perpendicularly to said vertical supports (30.1, 30.2, 30.3, 30.4) and are fastened at the ends of said horizontal arms to said vertical supports by welding; e) the connecting elements (28) each extend between a vertical support (30.1, 30.2, 30.3, 30.4) of a vertical frame (25.1, 25.2) and at least one further vertical support (30.1, 30.2, 30.3, 30.4) arranged at a horizontal distance therefrom and are detachably fastened at the ends of said connecting elements to fastening positions (45.1, 45.2, 45.3, 45.4) of said vertical supports (30.1, 30.2, 30.3, 30.4); f) bottom plates (43) are or can be detachably attached to fastening positions (61) in a tiered manner in vertical areas (101.1, 101.2, 101.3, 101.4, 101.5, 101.6) of the scaffold provided one above the other vertically; g) at least one connecting element (28.1, 28.2) of the connecting elements (28.1, 28.2) is used at least during the installation of the scaffold (20) as a hip or back railing element (62.1, 62.2) for protecting a person (63) from falling; h) the vertical supports (30.1, 30.2, 30.3, 30.4) of the vertical frames (25.1, 25.2) each have an effective length (92.1, 92.2), which substantially corresponds to the vertical distance (97) of the fastening position (45.1, 45.2, 45.3, 45.4; 61) for the hip or back railing element (62.1, 62.2) or for the bottom plate (43) from the fastening position (45.1, 45.2, 45.3, 45.4; 61) for the hip or back railing element (62.1, 62.2) or for the bottom plate (43) of a vertical frame (25.1, 25.2) already belonging to the nearest vertical area (101.2, 101.3, 101.4, 101.5, 101.6) and already placed onto the vertical frame (25.1, 25.2) of the vertical area (101.1, 101.2, 101.3, 101.4, 101.5) lying thereunder or which is smaller than said vertical distance (97); i) the horizontal arms (35.1, 35.2, 35.3, 35.4) of the vertical frames (25.1, 25.2) of the vertical frame support (48.1, 48.2) placed one on top of the other each form transverse rungs (35.1, 35.2, 35.3, 35.4) of a ladder (21.1, 21.2) for a person (63) to climb, wherein the top transverse rung (35.1, 35.3) of a vertical frame (25.1, 25.2) of the vertical frames (25.1, 25.2) has a vertical transverse rung distance (36.4) from the lowest transverse rung (35.4) of a vertical frame (25.2) of the vertical frames (25.1, 25.2) already belonging to the nearest vertical area (101.2, 101.3, 101.4, 101.5, 101.6) and already placed onto the vertical frame (25.1, 25.2) of the vertical area (101.1, 101.2, 101.3, 101.4, 101.5) lying thereunder that substantially corresponds to the vertical distance (36.1, 36.2) of the transverse rungs (35.1, 35.2, 35.3, 35.4) of the individual vertical frames (25.1, 25.2) so that all adjacent transverse rungs (35.1, 35.2, 35.3, 35.4) of the ladder (21.1, 21.2) have substantially the same vertical transverse rung distances (36.1, 36.2, 36.4) from each other.

IPC 8 full level

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