

Title (en)

Connecting arrangement between the separate parts of a driven pile.

Title (de)

Verbindungsanordnung zwischen einzelnen Teilen eines Rammpfahles.

Title (fr)

Dispositif d'assemblage des tronçons d'un pieu de battage.

Publication

EP 0012254 A1 19800625 (DE)

Application

EP 79104658 A 19791123

Priority

AT 858078 A 19781130

Abstract (en)

1. A connecting arrangement between individual parts of a driven pile, the end faces of the pile members (1) being provided in each case with a head piece (2) covering the end of the pile members (1) in the manner of a cap and having at least two recesses (3) which are provided in opposite edge regions and into which a fastening member passing through the covering head piece and embedded in the driven pile projects in each case, and connecting clamps (7) with two tenons (17) in each case orientated approximately parallel to one another at a distance and engaging in the openings formed by the fastening members being provided in order to connect the ends of adjacent pile members (1), characterized in that the fastening members are in the form of approximately U-shaped brackets (4), the closed curved parts (5) of which project into the recesses (3) of the head pieces (2) and the free ends (6) of which, passing through the head piece, are embedded in the concrete pile, tube-like attachments (9, 10), which preferably both extend into the recesses (3) and continue past the rear wall of the head piece (2) towards the pile being provided on the head piece (2) for holding the ends (6) of the U-shaped bracket (4) orientated parallel to one another, and the tenons (17) of the connecting clamps (7) being made to correspond approximately to the U-shaped curved part (5) in cross-section.

Abstract (de)

Rammpfähle werden in der Regel, aus Transportgründen und Handhabungsgründen beim Einschlagen mehrteilig ausgeführt, wobei die Pfahlteile (1) durch entsprechende Mittel miteinander verbunden werden müssen. Zu diesem Zweck werden kappenartige, das entsprechende Ende der Pfahlteile (1) abdeckende Kopfstücke (2) vorgesehen, welche an wenigstens zwei gegenüberliegenden Randbereichen Einbuchtungen (3) aufweisen. In diese Einbuchtungen (3) ragen U-förmige Bügel (4) mit ihrem geschlossenen Bogenteil (5). Die freien Enden (6) des U-förmigen Bügels (4) durchdringen das Kopfstück (2) und sind in dem Betonrammpfahl eingebettet. Zur Verbindung benachbarter Enden von Pfahlteilen (1) wird eine Verbindungsklammer (7) eingesetzt, welche mit zwei annähernd parallel verlaufenden Zapfen (17) die Bogenteile (5) der U-förmigen Bügel (4) hintergreifen. Es sind dadurch praktisch die Bewehrungen der beiden Pfahlteile (1) direkt miteinander verbunden.

IPC 1-7

E02D 5/52

IPC 8 full level

E02D 5/52 (2006.01)

CPC (source: EP)

E02D 5/523 (2013.01)

Citation (search report)

- DE 2625156 A1 19771215 - SILVANDER FRANK OTTO
- GB 1491168 A 19771109 - VAG OCH VATTENBYGGNADS AB S H

Cited by

US4504174A; CN102943470A; CN104314073A; AT388953B; EP0135716B1

Designated contracting state (EPC)

BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0012254 A1 19800625; EP 0012254 B1 19821124; AT 357947 B 19800811; AT A858078 A 19790915; DE 2964117 D1 19821230

DOCDB simple family (application)

EP 79104658 A 19791123; AT 858078 A 19781130; DE 2964117 T 19791123