

Title (en)

Transfer of building load via a steelmember, to the ground, by use of a special ramhead.

Title (de)

Übertragung der Last eines Gebäudes über Stahlträger auf das Umland durch den Einsatz eines Spezialfallbären.

Title (fr)

Transfert de la charge d'un bâtiment au terrain environnant par des poutres d'acier et l'emploi d'une masse de battage spéciale.

Publication

EP 0514559 B1 19950301 (DE)

Application

EP 91108024 A 19910517

Priority

EP 91108024 A 19910517

Abstract (en)

[origin: EP0514559A1] An area (a) about two metres deep is excavated in the direction of inclination of the tower (Fig. 1); several trenches about 1.2 metres wide and two to three metres deep (depending on the nature of the soil) are now excavated (b) (Fig. 1); a crushed-stone course is placed on the bottom of the trenches; the crushed-stone course is driven into the subsoil by the pile hammer until the compaction is so dense that the crushed stone begins to break down into dust. The load-bearing capacity of bed rock is thus virtually reached. A course of ready-mixed concrete is now applied; a crushed-stone course is in turn placed on the latter and is again driven into the concrete course with the pile hammer. A concrete course is again applied to this, and a crushed-stone course is again applied to the concrete course, which crushed-stone course is again compacted with the pile hammer. This is repeated until the trench forms a plane with the land remaining. Steel members in any number and thickness are now placed on this concrete body (b) and are concreted (c) with one end into the foundation of the tower. <IMAGE>

IPC 1-7

E02D 3/02; **E02D 35/00**

IPC 8 full level

E02D 3/02 (2006.01); **E02D 35/00** (2006.01)

CPC (source: EP)

E02D 3/02 (2013.01); **E02D 35/00** (2013.01)

Citation (examination)

US 3741083 A 19730626 - SHAKHLIN V, et al

Cited by

EP1498550A3; GB2345509A; GB2345509B; EP1431463A1; US8328470B2; US8740501B2; US6505998B1; US9915050B2; US8360689B2; WO9909261A1; WO2011153187A3

Designated contracting state (EPC)

AT DE ES FR IT

DOCDB simple family (publication)

EP 0514559 A1 19921125; **EP 0514559 B1 19950301**; AT E119227 T1 19950315; DE 59104810 D1 19950406

DOCDB simple family (application)

EP 91108024 A 19910517; AT 91108024 T 19910517; DE 59104810 T 19910517