

Title (en)
FOUNDATION FOR A POLE, A PILLAR OR THE LIKE

Publication
EP 0080143 B1 19860305 (DE)

Application
EP 82110525 A 19821115

Priority
DE 3145882 A 19811119

Abstract (en)
[origin: CA1184015A] T-1372-15 A FOUNDATION FOR A MAST, SUPPORTING PILLAR, AND THE LIKE A foundation for a mast, supporting pillar, rails, and the like, comprising an anchoring portion (2) of hollow section design open at the bottom and adapted to be driven into the ground by being vibrated, and a inner (3,3') and, if desired, and outer (4) ground consolidating element. Preferably at least the inner ground consolidating element (3) is arranged for longitudinal displacement inside the anchoring portion (2) so that the earth entering from below into the interior of the anchoring portion (2) is consolidated during the entire period of sinking the anchoring portion (2) into the ground by vibrating it. In similar manner, also the outer ground consolidating element (4) may be arranged to be displaceable in longitudinal direction. A vibrator suspended from construction equipment or an airship and lowered from the same under loading which acts on the anchoring portion and corresponds approximately to the dead weight of the vibrator (about 1.5 to 3.5 tons) is connected to the upper end of the anchoring portion (2) to sink the same into the ground by vibrating it. The anchoring portion (2) of hollow section design has extremely thin walls as compared to its length and width.

IPC 1-7
E04H 12/22; **E02D 5/28**; **E02D 7/18**

IPC 8 full level
E02D 5/28 (2006.01); **E02D 7/18** (2006.01); **E02D 27/42** (2006.01); **E04H 12/22** (2006.01)

CPC (source: EP US)
E02D 27/42 (2013.01 - EP US); **E04H 12/2215** (2013.01 - EP US); **E04H 12/2261** (2013.01 - EP US)

Cited by
AT387256B; NL8501130A; DE3703200A1; AT395883B; CN106914970A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0080143 A1 19830601; **EP 0080143 B1 19860305**; AT E18455 T1 19860315; AU 556738 B2 19861120; AU 9041782 A 19830526; BR 8206679 A 19831004; CA 1184015 A 19850319; DE 3145882 A1 19830609; DE 3145882 C2 19850502; DE 3269698 D1 19860410; US 4558545 A 19851217

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