

Title (en)

Method of providing a foundation pile with enlarged base in the ground.

Title (de)

Verfahren zur Herstellung von Gründungspfählen mit vergrößerter Basis im Boden.

Title (fr)

Méthode pour réaliser des pieux de fondation à base élargie dans le sol.

Publication

**EP 0539630 A1 19930505 (EN)**

Application

**EP 91202837 A 19911031**

Priority

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Abstract (en)

A metal drill pipe fitted with a drill head at the lower end thereof is introduced into the ground under axial pressure while being rotated and during rotation of the drill pipe a hardening mass is supplied via an injection tube mounted within the drill pipe to an outlet opening provided at the tip of the drill head at a pressure above the hydrostatic pressure, the hardening mass mixing intensively with the soil mass stirred by the drill head. According to the invention, the hardening mass is supplied to the outlet opening (4) at such a pressure that it forms a bearing zone (9) around the foundation pile (1) of a diameter greater than the diameter of the drill head (2). <IMAGE>

IPC 1-7

**E02D 5/44**; **E02D 5/62**

IPC 8 full level

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CPC (source: EP)

**E02D 3/126** (2013.01); **E02D 5/44** (2013.01); **E02D 5/62** (2013.01)

Citation (search report)

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Cited by

CN110777779A; CN110761268A; CN110777780A; EP0665337A1; NL1018702C2; FR2758577A1; CN110393056A; CN103015423A; RU2502849C1; CN110438985A; US7429148B2; WO03012211A1

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