

Title (en)

A method of producing a concrete encasing in the ground, an apparatus for producing a concrete encasing within a hole in the ground, and a concrete encasing provided within a hole in the ground

Title (de)

Vorrichtung und Verfahren zur Herstellung eines Betonschachtes im Boden und ein derart hergestellter Betonschacht

Title (fr)

Méthode et appareil pour la réalisation d'une colonne creuse dans le sol et colonne creuse ainsi réalisée

Publication

EP 0777018 A1 19970604 (EN)

Application

EP 96610046 A 19961129

Priority

- EP 96610046 A 19961129
- EP 95610058 A 19951201

Abstract (en)

A method of producing a concrete encasing in the ground, comprising: providing a hole in the ground which defines a proximal end and a distal end, and providing a casing (60) having an outer casing wall of a configuration allowing the casing to be moved within the hole in the longitudinal direction thereof from the distal end to the proximal end, and including a set of nozzles (94,96) positioned at one end of the outer casing wall for the expelling of liquid or pasty concrete material. The casing includes conductor means (88,90) for the supply of the liquid or pasty concrete material to the set of nozzles (94,96) from a source supplying the liquid or pasty concrete material. Positioning the casing at the distal end of the hole so as to position said one end of the outer casing wall facing towards the proximal end of the hole. Supplying the liquid or pasty concrete material to the set of nozzles and expelling the liquid or pasty substance therefrom for filling out the cavity (104) defined between the outer casing wall of the casing and the inner wall of the hole. Moving the casing from the distal end of the hole towards the proximal end of the hole while expelling the liquid or pasty concrete material from the set of nozzles, thereby in situ casting the concrete encasing constituting a continuous concrete encasing and supporting the concrete encasing by the outer casing wall of the casing until the concrete encasing has solidified to a self-supporting structure. <IMAGE>

IPC 1-7

E02D 5/34; E21B 33/13

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- EP 0392309 B1 19940810 - AARSLEFF AS [DK]
- EP 0392310 B1 19931215 - AARSLEFF AS [DK]
- EP 0392311 B1 19940810 - AARSLEFF AS [DK]

Citation (search report)

- [XA] EP 0229425 A2 19870722 - SHELL INT RESEARCH [NL]
- [A] EP 0403025 A2 19901219 - SHELL INT RESEARCH [NL]
- [A] US 4055958 A 19771101 - HANSON RAYMOND A

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