

Title (en)
HOLLOW FOUNDATION ELEMENT AND MANUFACTURING METHOD THEREOF

Publication
EP 0109397 B1 19851002 (DE)

Application
EP 83900258 A 19830107

Priority
AT 203182 A 19820524

Abstract (en)
[origin: WO8304276A1] To lower underground waters in the area of foundation elements, such as foundation piles, a pervious layer of filtering concrete (1), particularly spongy concrete, is arranged under the normal concrete portion (7). Thereby, water is sucked through a conduit (6) traversing the foundation element and forming in the area of the filtrating concrete layer (1) a pervious filter-pipe (4). The filtering concrete layer (1) is preferably reinforced by a metal trussing (2). After lowering the surface of the underground sheet, the filtering concrete (1) is pressure injected with a hardening material, so that the lower end of the foundation element will be reinforced and will be capable of withstanding the pressure transmitted by the upper portion.

IPC 1-7
E02D 19/10; **E02D 5/46**; **E02D 5/18**

IPC 8 full level
E02D 5/18 (2006.01); **E02D 5/46** (2006.01); **E02D 19/10** (2006.01)

CPC (source: EP US)
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WO 8304276 A1 19831208; AT 374524 B 19840510; AT A203182 A 19830915; AT E15919 T1 19851015; DE 3360897 D1 19851107; EP 0109397 A1 19840530; EP 0109397 B1 19851002; ES 522624 A0 19840501; ES 8404453 A1 19840501; IT 1201049 B 19890127; IT 8367568 A0 19830523; US 4639168 A 19870127

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