

Title (en)
IMPROVED DRILLING DEVICE

Title (de)
VERBESSERTE BOHRVORRICHTUNG

Title (fr)
DISPOSITIF DE FORAGE AMÉLIORÉ

Publication
EP 2167734 A1 20100331 (EN)

Application
EP 07728965 A 20070510

Priority
EP 2007054513 W 20070510

Abstract (en)
[origin: WO2008138390A1] Drilling device for in situ mixing of soil with a binder to form a pile in the ground, comprising a drivable shaft with a bottom end, pre-mixing means mounted at the bottom end of the shaft for loosening the soil, injection means for injecting the binder into the loosened soil, a bore-crown mounted on the shaft above the bottom end, which bore-crown is provided on at least a part of its periphery with cutting means, wherein the pre-mixing means for loosening the soil comprise at least one arm having a first and a second end, said first end being connected at one end to the bottom end, said second end lying at a distance of the bore-crown, the distance between the second end and the shaft being smaller than the radius of the bore-crown, wherein said at least one arm is provided with teeth.

IPC 8 full level
E02D 3/12 (2006.01)

CPC (source: EP)
E02D 3/126 (2013.01)

Citation (search report)
See references of WO 2008138390A1

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DOCDB simple family (publication)
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