

Title (en)  
IMPROVED DRILLING DEVICE

Title (de)  
VERBESSERTE BOHRVORRICHTUNG

Title (fr)  
DISPOSITIF DE FORAGE AMÉLIORÉ

Publication  
**EP 2167734 B1 20120118 (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)  
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DOCDB simple family (publication)  
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