

Title (en)  
Hydraulic drilling apparatus and method

Title (de)  
Vorrichtung und Verfahren zum hydraulischen Bohren

Title (fr)  
Dispositif et procédé pour le forage hydraulique

Publication  
**EP 1600602 B1 20061227 (DE)**

Application  
**EP 05010058 A 20050509**

Priority  
DE 102004026234 A 20040528

Abstract (en)  
[origin: EP1600602A2] A tube (2) with a boring crown (3) at its lower end is rotated and lowered vertically to make a narrow vertical bore (31). A cutting arrangement (46) near the bottom of the tube has a fixed sideways-extending tube (6) with a fluid jet nozzle (7). This enlarges the bore radius (23) to slightly more than the radius swept out by the end of the tube. A long tube (8) with a fluid jet nozzle (10) may swing from a resting place (8a) inside the drilling tube to a deployed position where it sweeps out an enlarged radius (24). A powerful fluid jet from the nozzle cuts out the bore to an even larger radius (25), forming a cavity to accommodate the foot of a concrete pile.

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CPC (source: EP)  
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