

Title (en)  
Device for making boreholes in the ground

Title (de)  
Vorrichtung zur Herstellung von Erdbohrungen

Title (fr)  
Dispositif pour réaliser des forages dans le sol

Publication  
**EP 0548588 B1 19970730 (DE)**

Application  
**EP 92120355 A 19921127**

Priority  
DE 4142343 A 19911220

Abstract (en)  
[origin: EP0548588A1] A device for making boreholes in the ground with simultaneous pipe laying, in particular for making well boreholes, comprises an earth borer (10) with a drive device (12) and a displacement head (14) arranged coaxially to the drive device (12). The outside diameter of the displacement head (14) is greater than the outside diameter of the drive device and of the pipe (16) encasing the latter, and the frictional connection between the displacement head (14) and the drive device is designed to be releasable, at least three liquid-jet nozzles (18), pointing roughly in the drilling direction, being arranged on the displacement head (14) at least approximately symmetrically to the longitudinal axis of the displacement head (14). <IMAGE>

IPC 1-7  
**E21B 7/20**

IPC 8 full level  
**E21B 7/20** (2006.01)

CPC (source: EP US)  
**E21B 7/206** (2013.01 - EP US)

Citation (examination)  
DD 289073 A5 19910418 - ENERGIEVERSORGUNG INGBETRIEB [DE]

Cited by  
EP3957818A1; US11767716B2; US10590713B1; WO2011015341A1; WO2011015342A1; WO9736085A1

Designated contracting state (EPC)  
CH FR GB LI

DOCDB simple family (publication)  
**EP 0548588 A1 19930630; EP 0548588 B1 19970730**; DE 4142343 A1 19930624; DE 4142343 C2 19961024; US 5339909 A 19940823

DOCDB simple family (application)  
**EP 92120355 A 19921127**; DE 4142343 A 19911220; US 98365692 A 19921201