

Title (en)  
A screw drilling device

Title (de)  
Spiralbohrer

Title (fr)  
Tarière

Publication  
**EP 0974729 A1 20000126 (EN)**

Application  
**EP 99113991 A 19990719**

Priority  
IT TO980638 A 19980721

Abstract (en)  
A screw drilling device has a rotatable unit (9) which forms a plate (10) having a first axial opening (12) and a cylindrical wall (11) having a first radial opening (19); the unit (9) is mounted on the lower portion (3a) of a central tubular element of the screw and can adopt a boring configuration in which the plate (10) is oriented so as to afford access for debris between the turns of the screw through the axial opening (12) whilst the cylindrical wall (11) is oriented so as to close a second radial opening (4b) formed in the tubular portion (3a) for discharging fluid from the duct (4), and a second, injection configuration in which the plate (10) closes the screw at the bottom and the cylindrical wall (11) is oriented so as to put the first and second radial openings (19, 4b) into communication. <IMAGE>

IPC 1-7  
**E21B 10/44**; **E21B 10/60**; **E21B 21/10**; **E02D 5/36**

IPC 8 full level  
**E02D 5/36** (2006.01); **E21B 10/44** (2006.01); **E21B 10/60** (2006.01); **E21B 21/10** (2006.01); **E21B 34/12** (2006.01)

CPC (source: EP)  
**E02D 5/36** (2013.01); **E21B 10/44** (2013.01); **E21B 10/60** (2013.01); **E21B 21/10** (2013.01); **E21B 34/12** (2013.01)

Citation (search report)  
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• [A] DE 3900453 A1 19900712 - VORTRIEBS UND ABFOERDERTECHNIK [DE]  
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0974729 A1 20000126**; **EP 0974729 B1 20031008**; AT E251710 T1 20031015; DE 69911865 D1 20031113; DE 69911865 T2 20040513; ES 2209292 T3 20040616; IT 1303164 B1 20001030; IT TO980638 A1 20000121

DOCDB simple family (application)  
**EP 99113991 A 19990719**; AT 99113991 T 19990719; DE 69911865 T 19990719; ES 99113991 T 19990719; IT TO980638 A 19980721