

Publication

**EP 0575922 A3 19940427**

Application

**EP 93109825 A 19930619**

Priority

DE 4220976 A 19920626

Abstract (en)

[origin: EP0575922A2] A displacement drill (10) has a displacement head (22) with a central, cylindrical displacement section (24) and frusto-conical displacement sections (26, 28) adjoining thereto. A lower drill section (12) bears a helical rib (16) which extends at a uniform height over the lower displacement section (26). The upper displacement section (28) is designed with conical-spiral displacement walls (32). <IMAGE>

IPC 1-7

**E21B 10/44**; **E21B 7/26**

IPC 8 full level

**E21B 7/26** (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP US)

**E02D 5/36** (2013.01 - EP US); **E21B 7/26** (2013.01 - EP US); **E21B 10/44** (2013.01 - EP US)

Citation (search report)

- [A] EP 0228138 A2 19870708 - COELUS GASPARD JOZEF [BE]
- [A] DE 9002781 U1 19910704
- [A] DE 576831 C 19330518 - WILHELM STRAUSS
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- [A] DE 1193081 B 19650520 - FRANK ARNOLD NIX DIPL ING
- [PX] DE 4107834 A1 19920917 - DELMAG MASCHINENFABRIK [DE]

Cited by

GB2329200A; DE10006973A1; DE10006973C2

Designated contracting state (EPC)

BE FR GB IT NL

DOCDB simple family (publication)

**DE 4220976 C1 19930715**; EP 0575922 A2 19931229; EP 0575922 A3 19940427; EP 0575922 B1 19970319; US 5353883 A 19941011

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**DE 4220976 A 19920626**; EP 93109825 A 19930619; US 8333493 A 19930628