

Title (en)
Apparatus and method for enlarging the cross section of an underground structure

Title (de)
Einrichtung und Verfahren zum Vergrössern des Querschnitts eines Erdbauwerks

Title (fr)
Dispositif et procédé pour élargir la section transversale d'une structure souterraine

Publication
EP 1013875 A3 20010816 (DE)

Application
EP 99890396 A 19991221

Priority
AT 212398 A 19981221

Abstract (en)
[origin: EP1013875A2] The internal cross-section and inner contour of a ground structure, such as a channel, is processed and enlarged by the equipment involving a milling tool (9) fitted on a support (1) on a beam arm (7). The support has rollers (19) for movement into the cross-section being processed. The beam arm (7) is linked to the support cardanically around a horizontal pivot axis (6) and around a further pivot axis (8). The linkage point of the arm is adjustable as to height.

IPC 1-7
E21B 7/28; **E03F 3/06**

IPC 8 full level
E03F 3/06 (2006.01); **E21B 7/28** (2006.01); **E21D 9/00** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP KR)
E03F 3/06 (2013.01 - KR); **E21D 9/01** (2016.01 - EP); **E21D 9/102** (2013.01 - EP)

Citation (search report)

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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 1013875 A2 20000628; **EP 1013875 A3 20010816**; **EP 1013875 B1 20041201**; AT 408110 B 20010925; AT A212398 A 20010115; AT E283962 T1 20041215; CA 2292725 A1 20000621; DE 59911189 D1 20050105; JP 2000186494 A 20000704; KR 100369752 B1 20030130; KR 20000048297 A 20000725

DOCDB simple family (application)
EP 99890396 A 19991221; AT 212398 A 19981221; AT 99890396 T 19991221; CA 2292725 A 19991220; DE 59911189 T 19991221; JP 36205399 A 19991221; KR 19990059858 A 19991221