

Title (en)  
Tunnel boring machine.

Title (de)  
Tunnelbohrmaschine bzw. Rohrvortriebmaschine.

Title (fr)  
Machine de perforation des tunnels.

Publication  
**EP 0677643 A1 19951018 (DE)**

Application  
**EP 95890085 A 19950412**

Priority  
DE 4413235 A 19940415

Abstract (en)  
The tunnel boring machine, or tube advance feed machine, has a full cut drill head (19) rotatably located and supporting drilling tools (8,18). The drill head has a dia. which is smaller than the dia. of the bore and the geometrical axis of the cover circle of the tools of the full cut drill head is eccentrically located relatively to the rotary axis (21) or to the tunnel longitudinal axis (22). The tools are arranged relatively to the axis of the drill head asymmetrically and partic. along a spiral. The tunnel advance feed machine is supported on sliding or negotiable supports (24,29) in the tunnel tubes. <IMAGE>

Abstract (de)  
Bei Tunnelbohrmaschine bzw. Rohrvortriebsmaschine für Hartgesteinsbohrungen weist einen Bohrwerkzeuge (1 bis 18) tragenden Bohrkopf (19) mit einem Durchmesser auf, welcher kleiner ist als der Durchmesser der Bohrung. Die geometrische Achse des Hüllkreises der Werkzeuge des Vollschnittbohrkopfes (19) ist relativ zur Tunnellängsachse (22) oder zur Rotationsachse (21) exzentrisch angeordnet oder verlagerbar. <IMAGE>

IPC 1-7  
**E21D 9/10**

IPC 8 full level  
**E21D 9/087** (2006.01); **E21D 9/10** (2006.01); **E21D 9/11** (2006.01)

CPC (source: EP US)  
**E21D 9/104** (2013.01 - EP US); **E21D 9/1093** (2013.01 - EP US); **E21D 9/112** (2013.01 - EP US)

Citation (search report)  
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CH DE IT LI SE

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