

Title (en)

Method of constructing a tunnel

Title (de)

Verfahren zur Erstellung eines Tunnels

Title (fr)

Procédé pour la construction d'un tunnel

Publication

**EP 0899422 B1 20031112 (DE)**

Application

**EP 97810624 A 19970902**

Priority

EP 97810624 A 19970902

Abstract (en)

[origin: EP0899422A1] A tunnelling system for boring through water bearing strata (15) has the head of the tunnel divided into sections by watertight doors. The actual working section (21) of the tunnel is under water at a higher pressure than that of the surrounding strata. The tunnelling machine is operated by remote control from a tunnel section (17) under air pressure which allow personnel access. The removed spoil is taken from the working head via air lock doors. The water in the working section is recirculated through cleaning systems to remove debris and to maintain a water quality which allows control of the machines.

IPC 1-7

**E21D 9/00**; E21D 9/06; E21D 9/08

IPC 8 full level

**E21D 9/00** (2006.01); **E21D 9/06** (2006.01); **E21D 9/08** (2006.01)

CPC (source: EP US)

**E21D 9/00** (2013.01 - EP US); **E21D 9/06** (2013.01 - EP US); **E21D 9/08** (2013.01 - EP US)

Cited by

CN101975066A; CN107939408A; CN109184716A; WO2023209744A1; WO2005111317A1; US7766579B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

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