

Title (en)
Tunnel boring machine

Title (de)
Tunnelvortriebseinrichtung

Title (fr)
Machine de creusement de tunnels

Publication
EP 1298283 B1 20040811 (DE)

Application
EP 01123452 A 20010928

Priority
EP 01123452 A 20010928

Abstract (en)
[origin: EP1298283A1] Device for supporting advancing and completion work in tunnel construction, especially in underground railway construction, comprises an auxiliary device (11) in the form of a working platform, a drilling system (7) and/or a spray manipulator movably arranged on rails (16) in a second plane above an extraction and loading machine (2). A machine frame (17) holding the rails is provided in the roof region (4). The machine frame is portal-shaped and moves in the longitudinal direction (6) of the tunnel. The rails are designed as side rails (18, 19) for holding the sliding carriage (25) supporting the trucks of the auxiliary device and for guiding the trucks. <??>Preferred Features: The machine frame has transverse supports (20, 21) connected via the side rails and on which the stabilized side rails are removably fixed, preferably in pairs.

IPC 1-7
E21D 9/10; **E21D 11/40**; **E21D 9/12**; **E21D 11/10**

IPC 8 full level
E21D 9/10 (2006.01); **E21D 9/12** (2006.01); **E21D 11/10** (2006.01); **E21D 11/40** (2006.01); **E21D 9/06** (2006.01)

CPC (source: EP)
E21D 9/065 (2016.01); **E21D 9/1093** (2013.01); **E21D 9/12** (2013.01); **E21D 11/102** (2013.01); **E21D 11/403** (2013.01)

Cited by
CN103541399A; CN103572788A; CN102418534A; CN103590838A; CN103821524A; CN102678141A; CN106522995A; JP2009191565A; ITMI20121426A1; DE102006049060B4; US8485608B2; WO2017144090A1; WO2005095760A1; US10851651B2; US11506054B2

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