

Title (en)

Method for renovating and/or expanding navigable tunnel tubes

Title (de)

Verfahren zur Sanierung und/oder Erweiterung von befahrbaren Tunnelröhren

Title (fr)

Procédé d'assainissement et/ou d'élargissement de galeries sur lesquelles on peut rouler

Publication

**EP 2218871 A2 20100818 (DE)**

Application

**EP 10001129 A 20100204**

Priority

DE 102009008596 A 20090212

Abstract (en)

The method involves cleaning, drilling out, reinforcing a tunnel wall during shutdown or less traffic time. The drilled out section of the tunnel wall is plastered with mortar such that a track bed in navigable tunnel sections is cleaned. A required work machine is parked in front of a place, moved from the place after completion or interruption of the works and parked in a side track. Dusty air and/or air heavily loaded with exhaust gas is sucked off from originating points (11, 12) during renovating process and is cleaned by a filter system (6) co-operating with a processing machine (4). An independent claim is also included for a system for renovating and/or expanding navigable tunnel sections.

Abstract (de)

Zur Sanierung von Tunnelröhren dient ein Verfahren und eine Anlage, bei denen die bei den Sanierungsarbeiten anfallende staub- und schadstoffhaltige Luft dicht am Entstehungsort (11,12) abgesaugt und in einer mit den Arbeitsmaschinen (4) zusammen verfahrbaren Filteranlage (6) gereinigt wird.

IPC 8 full level

**E21F 5/20** (2006.01); **E21D 9/00** (2006.01)

CPC (source: EP)

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JP2024027274A; CN110454174A; CN111911164A; US2019186262A1; WO2018041348A1

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Designated extension state (EPC)

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