

Title (en)
CLEANING VEHICLE FOR TUNNELS

Title (de)
REINIGUNGSFAHRZEUG FÜR TUNNEL

Title (fr)
VÉHICULE DE NETTOYAGE POUR TUNNEL

Publication
EP 3565927 B1 20210818 (DE)

Application
EP 17809240 A 20171123

Priority
• AT 500032017 A 20170105
• EP 2017080253 W 20171123

Abstract (en)
[origin: WO2018127327A1] Cleaning vehicle for tunnels having a travel drive (13), a washing liquid container (8), and a cleaning unit (1) which is connected to the washing liquid container (8) via supply lines (5) and which has cleaning brushes (3) and cleaning nozzles (4) for discharging the washing liquid against the tunnel inner wall, in which method it is proposed that there be provided a suction unit for the contaminated washing liquid that is connected to a sedimentation container (6) for precleaning the contaminated washing liquid, and the sedimentation container (6) is connected via a feed line (9, 15) for the precleaned washing liquid to a processing unit (11) for the precleaned washing liquid that comprises a flocculation stage (16) and a sedimentation stage (17) downstream of the flocculation stage (16), and a return line (10) for returning the cleaned washing liquid from the processing unit (11) into the washing liquid container (8) is provided. The cleaning vehicle according to the invention thus provides not only for the collection and processing of the contaminated washing liquid but also for the reuse thereof for tunnel cleaning, with the result that the cleaning of tunnel inner walls can be carried out more quickly and more cost-effectively.

IPC 8 full level
E01H 1/00 (2006.01); **E01H 1/10** (2006.01)

CPC (source: AT EP)
E01H 1/005 (2013.01 - AT EP); **E01H 1/103** (2013.01 - EP)

Cited by
WO2023061802A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018127327 A1 20180712; AT 518651 A4 20171215; AT 518651 B1 20171215; EP 3565927 A1 20191113; EP 3565927 B1 20210818; ES 2898079 T3 20220303

DOCDB simple family (application)
EP 2017080253 W 20171123; AT 500032017 A 20170105; EP 17809240 A 20171123; ES 17809240 T 20171123