

Title (en)  
AUTONOMOUS TUNNEL CLEANING SYSTEM

Title (de)  
AUTONOMES TUNNELREINIGUNGSSYSTEM

Title (fr)  
SYSTÈME AUTONOME DE NETTOYAGE DE TUNNEL

Publication  
**EP 3108065 A4 20170920 (EN)**

Application  
**EP 15751304 A 20150217**

Priority  
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• AU 2015000086 W 20150217

Abstract (en)  
[origin: WO2015123719A1] An autonomous tunnel cleaning system (ATCS) (10) has a guidance system (12) and a cleaning apparatus (14). The guidance system (12) is capable of guiding the cleaning apparatus (14) along at least a portion of a tunnel (16). The cleaning apparatus is capable of autonomously travelling along the tunnel (16) under guidance of the guidance system (12). The cleaning apparatus (14) cleans a length of the tunnel (16) while it travels along the tunnel. The cleaning apparatus (14) has a brushing member (34) and a fluid delivery system (36). The fluid delivery system (36) includes tanks (46, 48) and spray manifolds (56) and (58). The fluid delivery system (36) operates to deliver fluid onto the wall (18) in advance of and/or trailing the brushing member (34). A refilling system (84) enables automatic refilling of tanks (46), and (48) as the ATCS (10) travels along the tunnel.

IPC 8 full level  
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CPC (source: EP)  
**E01H 1/005** (2013.01); **E21D 11/003** (2013.01)

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• [XYI] EP 1273711 A2 20030108 - BETTELLA S R L [IT]  
• [Y] DE 202013001650 U1 20130313 - LUTHER HORST [DE]  
• See references of WO 2015123719A1

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