

Title (en)

Railway machine for vacuum cleaning a track superstructure.

Title (de)

Gleisfahrbare Maschine zum Reinigen eines Gleisoberbaues mit Saug-Einrichtung.

Title (fr)

Machine ferroviaire pour le nettoyage par aspiration de la superstructure de voie.

Publication

EP 0337048 A1 19891018 (DE)

Application

EP 88890092 A 19880413

Priority

EP 88890092 A 19880413

Abstract (en)

[origin: EP0337048B1] 1. A travelling on-track machine (1; 62) for cleaning permanent way, more especially the ballast surface of a ballast bed situated beneath a track panel formed by sleepers and rails, comprising a machine frame (6; 63) designed to travel on on-track under-carriages (5; 64) and a suction unit (11; 68) consisting of a suction head arrangement (16; 70) which is connected through a suction hose (12; 69) to a collecting container (13) with filter (14) and to a fan (15) and with which at least one pressure nozzle (21, 46; 75, 76) connected to an air compressor by a pressure hose (20; 74) is associated to form a substantially closed-loop pressure-suction system, characterized in that the pressure nozzle (21, 46; 75, 76) is arranged inside the suction mouth opening (17, 73) of the suction head arrangement (16; 70) and is connected by the pressure hose (20; 74) to the exhaust-air port (22) acting as air compressor and the suction head arrangement (16; 70) connected to the suction hose (12) is connected to the intake port (34) of the radial fan (15) connected to the suction head arrangement (16; 70) to form the pressure-suction system.

Abstract (de)

Gleisfahrbare Maschine (1) zum Reinigen der Schotteroberfläche einer unterhalb eines aus Querschwellen (2) und Schienen (3) gebildeten Gleisrostes befindlichen Schotterbettung, mit einem auf Schienenfahrwerken (5) verfahrbaren Maschinenrahmen (6) und einer Saug-Einrichtung (11). Diese besteht aus einer über einen Saug-Kanal (12) mit einem Auffangbehälter (13) mit Filter (14) und einen Ventilator (15) verbundenen Saugkopf-Anordnung (16), der wenigstens eine, mit einem Druckluftherzeuger über einen Druck-Kanal (20) verbundene Druck-Düse (21) zur Bildung eines im wesentlichen geschlossenen Druck-Saug-Systems zugeordnet ist. Die mit dem Druck-Kanal (20) verbundene Druck-Düse (21) ist innerhalb der Saugmund-Öffnung (17) der Saugkopf-Anordnung (16) vorgesehen.

IPC 1-7

E01H 1/08

IPC 8 full level

E01B 19/00 (2006.01); **E01B 27/10** (2006.01); **E01H 1/08** (2006.01); **E01H 1/10** (2006.01); **E01H 8/00** (2006.01)

CPC (source: EP US)

E01B 27/102 (2013.01 - EP US); **E01H 1/0863** (2013.01 - EP US); **E01H 8/00** (2013.01 - EP US)

Citation (search report)

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- [Y] AT 363983 B 19810910 - MUT MASCH & TRANSPORT [AT]
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- [YD] DE 1244221 B 19670713 - SCHOERLING & CO WAGGONBAU
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- [A] FR 971180 A 19510115
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