

Title (en)

Lubricator device for grooved railway and tram rails

Title (de)

Vorrichtung zum Schmieren von Rillenschienen für Schienenfahrzeuge, insbesondere Strassenbahnen

Title (fr)

Appareil pour lubrifier des rails à gorge pour matériel ferroviaire de type tramway

Publication

EP 2390157 A3 20120125 (EN)

Application

EP 11164197 A 20110428

Priority

IT VR20100112 A 20100528

Abstract (en)

[origin: EP2390157A2] A line for grooved railway and tram rails (2) comprises grease dispensing means (8) and grease spraying means (9) which can be connected to at least one through hole (10) made through a part of a rail (2) delimiting the groove (7) and leading into the groove (7), the dispensing means and the spraying means being designed in practice to respectively dispense the grease on a surface of the rail (2) groove (7) which is close to the through hole (10) and on a surface of the rail (2) groove (7) opposite the through hole (10). First feed means (14) feed the grease to the dispensing means (8) and to the spraying means (9), whilst second feed means (20) feed a pressurised thrust fluid to the spraying means (9) for activating them. A control unit (27) is operatively connected at least to the first feed means (14) and to the second feed means (20), and is programmed for, in practice, feeding the grease to the dispensing means (8) and to the spraying means (9), and for causing the grease to be dispensed and sprayed respectively by the dispensing means (8) and the spraying means (9).

IPC 8 full level

B61K 3/00 (2006.01)

CPC (source: EP)

B61K 3/00 (2013.01)

Citation (search report)

- [A] DE 1455331 A1 19690508 - LIMON FLUHME & CO DE
- [A] EP 1674369 A1 20060628 - RAIL PARTNER SCHWEIZ AG [CH], et al
- [A] EP 1683699 A2 20060726 - TRANERGY CORP [US]
- [A] US 2173654 A 19390919 - MILBURN MOORE

Cited by

CN109987115A; RU2665098C1; GB2498385B

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2390157 A2 20111130; EP 2390157 A3 20120125; EP 2390157 B1 20150603; IT 1400633 B1 20130614; IT VR20100112 A1 20111129

DOCDB simple family (application)

EP 11164197 A 20110428; IT VR20100112 A 20100528