

Title (en)

MONITORING SYSTEM FOR FOREIGN SUBSTANCE REMOVAL DEVICE, FOREIGN SUBSTANCE REMOVAL SYSTEM, AND MONITORING METHOD FOR FOREIGN SUBSTANCE REMOVAL DEVICE

Title (de)

ÜBERWACHUNGSSYSTEM FÜR VORRICHTUNG ZUM ENTFERNEN VON FREMDSUBSTANZEN, SYSTEM ZUM ENTFERNEN VON FREMDSUBSTANZEN UND ÜBERWACHUNGSVERFAHREN FÜR VORRICHTUNG ZUM ENTFERNEN VON FREMDSUBSTANZEN

Title (fr)

SYSTÈME DE SURVEILLANCE POUR DISPOSITIF D'ÉLIMINATION DE SUBSTANCES ÉTRANGÈRES, SYSTÈME D'ÉLIMINATION DE SUBSTANCES ÉTRANGÈRES ET PROCÉDÉ DE SURVEILLANCE POUR DISPOSITIF D'ÉLIMINATION DE SUBSTANCES ÉTRANGÈRES

Publication

EP 3564442 A1 20191106 (EN)

Application

EP 17887234 A 20171227

Priority

- JP 2016256349 A 20161228
- JP 2017047080 W 20171227

Abstract (en)

A monitoring system includes a pressure detection means for detecting a pressure inside a retainer, and a failure sign determination means for determining whether there is a sign of failure of a foreign substance removal device based on the detected pressure inside the retainer. The pressure detection means is disposed in the foreign substance removal device including a generator that generates compressed air, the retainer that retains the generated compressed air therein, and a jetting device that jets the retained compressed air to blow off a foreign substance existing in a diverging portion of a railway track.

IPC 8 full level

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

CPC (source: EP)

B61L 5/00 (2013.01); **E01B 19/00** (2013.01); **E01H 8/10** (2013.01); **E01B 7/00** (2013.01)

Cited by

US2018306188A1

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 3564442 A1 20191106; **EP 3564442 A4 20200826**; **EP 3564442 B1 20220309**; CN 110073057 A 20190730; CN 110073057 B 20211214; JP 2018109269 A 20180712; JP 6740123 B2 20200812; WO 2018124228 A1 20180705

DOCDB simple family (application)

EP 17887234 A 20171227; CN 201780077875 A 20171227; JP 2016256349 A 20161228; JP 2017047080 W 20171227