

Title (en)

MONITORING SYSTEM, MONITORING METHOD, AND MONITORING DEVICE FOR RAILWAY TRAIN

Title (de)

ÜBERWACHUNGSSYSTEM, ÜBERWACHUNGSVERFAHREN UND ÜBERWACHUNGSVORRICHTUNG FÜR EINEN EISENBAHNZUG

Title (fr)

SYSTÈME DE SURVEILLANCE, PROCÉDÉ DE SURVEILLANCE ET DISPOSITIF DE SURVEILLANCE POUR TRAIN FERROVIAIRE

Publication

EP 4105101 A4 20230802 (EN)

Application

EP 20919029 A 20200421

Priority

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- CN 2020085920 W 20200421

Abstract (en)

[origin: EP4105101A1] A monitoring system for a railway train, comprising: acquisition devices (100), configured to acquire monitoring data in the railway train, the monitoring data comprising videos; a monitoring server (200), connected to the acquisition devices (100) to receive and store the monitoring data, and transmitting the monitoring data to main computers for analysis (300); a plurality of main computers for analysis (300), respectively provided in carriages of the railway train, and configured to identify a preset target from the monitoring data and analyze same, and when a behaviour of the preset target satisfies a preset pre-alarm condition, send pre-alarm information to a pre-alarm device (400); and the pre-alarm device (400), connected to the main computers for analysis (300), and configured to give a pre-alarm upon receipt of the pre-alarm information. A monitoring method and a monitoring device are provided. The monitoring system for a railway train can analyze monitoring data and give an alarm in time.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [X1] WO 2018096371 A1 20180531 - UNIV OF LANCASTER [GB]
- [X1] US 2017327138 A1 20171116 - JORDAN LAWRENCE B [US], et al
- [X1] CN 110544360 A 20191206 - BEIJING NAT RAILWAY RES & DESIGN INST SIGNAL & COMMUNICATION LTD
- [X1] ZHENKE YANG ET AL: "Automatic aggression detection inside trains", SYSTEMS MAN AND CYBERNETICS (SMC), 2010 IEEE INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 10 October 2010 (2010-10-10), pages 2364 - 2372, XP031805910, ISBN: 978-1-4244-6586-6
- See also references of WO 2021159604A1

Designated contracting state (EPC)

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