

Title (en)
SUPPLEMENTAL ENERGY GENERATION AND STORAGE FOR TRAINS

Title (de)
ZUSÄTZLICHE ENERGIEERZEUGUNG UND SPEICHERUNG FÜR ZÜGE

Title (fr)
GÉNÉRATION ET STOCKAGE D'ÉNERGIE SUPPLÉMENTAIRE POUR DES TRAINS

Publication
EP 4149789 A4 20240529 (EN)

Application
EP 20935878 A 20200903

Priority
• US 202063024888 P 20200514
• US 2020049251 W 20200903

Abstract (en)
[origin: WO2021230898A1] The invention relates to the supplemental generation of energy from operation of a train, and specifically to the generation of energy in connection to the rotation of disc brake rotors in combination with generators. Rotation of the disc brake rotors creates rotational energy that is transmitted to the generators, which then transmits the energy to a series of batteries for storage. The batteries may be stored in the platform for the train and/or within the train car itself. Energy from the batteries may be utilized by removal of the batteries from the train or through a number of outlets, sockets or connectors associated with the train car or platform.

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Citation (search report)
• [I] US 4285279 A 19810825 - CHIAPPETTI ARTHUR B
• [XII] WO 2020069737 A1 20200409 - SCHWEIZERISCHE BUNDESBAHNEN SBB [CH]
• See also references of WO 2021230898A1

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