

Title (en)

Method and system for providing electric power at decentralised field elements of a railway network

Title (de)

Verfahren und System zur Bereitstellung der elektrischen Leistung an dezentralen Feldelementen eines Eisenbahnnetzwerkes

Title (fr)

Procédé et système d'approvisionnement de puissance électrique pour des éléments de voie décentralisés d'un réseau de voies ferrées

Publication

EP 2674346 B1 20141217 (DE)

Application

EP 12171764 A 20120613

Priority

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Abstract (en)

[origin: EP2674346A1] The method involves assigning power consumption of decentralized field elements (AZ1- AZ6, Bs, B1-B6, S1-S6, W1-W4) to predetermined load classes. A spatially and temporally resolved load profile for time interval under consideration is determined. A basic output in a power supply network (EB) assigned to a section (2) is chosen based on the load profile. Arrangement of chargeable storage elements (ES1, ES2) is chosen. The basic output and an output of the storage elements are designed to provide a power demand of the load profile with required temporal and/or spatial granularity. An independent claim is also included for a system for providing electric power to decentralized field elements of a railway network.

IPC 8 full level

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CPC (source: EP)

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Cited by

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