

Title (en)

POWER ADJUSTMENT SYSTEM ADAPTED FOR POWERING AN ELECTRIC LINE FOR SUPPLYING POWER TO VEHICLES

Title (de)

FREMDKRAFTVERSTELLSYSTEM ZUR ENERGIEVERSORGUNG EINER ELEKTRISCHEN LEITUNG ZUR ZUFÜHRUNG VON ENERGIE ZU FAHRZEUGEN

Title (fr)

SYSTÈME DE RÉGULATION ÉNERGÉTIQUE ADAPTÉ À L'ALIMENTATION D'UNE LIGNE ÉLECTRIQUE DE DISTRIBUTION D'ÉNERGIE À DES VÉHICULES

Publication

**EP 2300263 A1 20110330 (FR)**

Application

**EP 08874695 A 20080620**

Priority

FR 2008000870 W 20080620

Abstract (en)

[origin: WO2009153416A1] The invention relates to a power adjustment system adapted for powering an electric line for supplying power to vehicles moving in a traffic lane combined with said electric line that comprises an electric supply feeder (AD) delivering an average electric power directly or via at least one converter to the electric line, and an adjustable power based on power fluctuation and required for an instantaneous traffic intensity to an energy storage means (MS) capable of powering the electric line at a peak power via at least one other converter, characterised in that a dimensioning unit (PCC) receives information on the power needs based on the traffic intensity evaluated over at least one duration of said traffic, and in that the dimensioning unit uses information for controlling an adjustment of the useful predictable storage of the storage means so that the electric power (P\_IN0, P\_IN1) delivered to the storage means is adjusted and minimal while exactly maintaining a sufficient energy backup in the storage means for compensating for any peak power (P\_INST) instantaneously required by the traffic in the given duration.

IPC 8 full level

**B60M 3/06** (2006.01)

CPC (source: EP KR US)

**B60L 50/40** (2019.01 - KR); **B60L 50/60** (2019.01 - KR); **B60M 3/06** (2013.01 - EP KR US); **B60L 2200/18** (2013.01 - KR); **B60L 2200/26** (2013.01 - EP KR US); **B60L 2200/30** (2013.01 - KR); **B60L 2260/162** (2013.01 - KR); **Y02T 10/70** (2013.01 - EP)

Citation (search report)

See references of WO 2009153416A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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