

Title (en)

METHOD AND SYSTEM FOR CONTROL OF A REGENERATIVE BRAKING SYSTEM IN A VEHICLE

Title (de)

VERFAHREN UND SYSTEM ZUR STEUERUNG EINES REGENERATIVEN BREMSSYSTEMS IN EINEM FAHRZEUG

Title (fr)

PROCÉDÉ ET SYSTÈME POUR LA COMMANDE D'UN SYSTÈME DE FREINAGE À RÉCUPÉRATION DANS UN VÉHICULE

Publication

**EP 2864172 A4 20170308 (EN)**

Application

**EP 13810710 A 20130620**

Priority

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- SE 2013050738 W 20130620

Abstract (en)

[origin: WO2014003637A1] The method and a control unit for controlling a regenerative brake system in a vehicle for which there is a defined maximum speed  $v_{max}$  which the vehicle should not exceed are presented. According to the present invention at least one predicted speed  $v_{pred}$  for the vehicle on a section of road is determined. If the at least one predicted speed  $v_{pred}$  exceeds the maximum speed  $v_{max}$  along the section of road, the regenerative brake system is then activated before an actual speed  $v_{act}$  of the vehicle reaches the maximum speed  $v_{max}$ . The result is braking over more time and with less power than in previous known solutions, making it possible for the regenerative brake system to utilise more of the brake energy than in previous known systems.

IPC 8 full level

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Citation (search report)

- [Y] WO 2009106852 A1 20090903 - RICARDO UK LTD [GB], et al
- [Y] DE 102010026653 A1 20110120 - GM GLOBAL TECH OPERATIONS INC [US]
- See references of WO 2014003637A1

Designated contracting state (EPC)

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