

Title (en)  
METHOD AND SYSTEM FOR IMPROVING THE OPERATING EFFICIENCY OF A VEHICLE DURING DRIVING OF A VEHICLE ALONG A ROUTE OF TRAVEL

Title (de)  
VERFAHREN UND SYSTEM ZUR VERBESSERUNG DER BETRIEBSEFFIZIENZ EINES FAHRZEUGS WÄHREND DES FAHRENS EINES FAHRZEUGS ENTLANG EINER FAHRSTRECKE

Title (fr)  
PROCÉDÉ ET SYSTÈME PERMETTANT D'AMÉLIORER L'EFFICACITÉ DE FONCTIONNEMENT D'UN VÉHICULE PENDANT LA CONDUITE D'UN VÉHICULE LE LONG D'UN ITINÉRAIRE DE DÉPLACEMENT

Publication  
**EP 3145777 A4 20180207 (EN)**

Application  
**EP 15795544 A 20150520**

Priority  
• SE 1450604 A 20140521  
• SE 2015050568 W 20150520

Abstract (en)  
[origin: WO2015178838A1] The present invention concerns a method for improving the operating efficiency of a vehicle during driving of a vehicle along a route of travel, wherein retardation of the vehicle by means of engine braking and/or coasting of the vehicle is taken into account. The method comprises the step of: continuously determining (S1 ) a velocity profile for the vehicle velocity resulting from engine braking and/or coasting of the vehicle as the basis for a comparison with target velocities associated with velocity-limiting factors occurring along the route of travel of the vehicle, wherein the step of continuously determining a velocity profile for the vehicle velocity resulting from engine braking and/or coasting of the vehicle comprises the step of continuously determining driving resistance along the route of travel of the vehicle during engine braking and/or coasting. The method further comprises the step of selecting the time for initiating retardation by means of engine braking and/or coasting of the vehicle in the event that the velocity profile resulting from engine braking and/or coasting is found to contain a target velocity in said comparison. The present invention also concerns a system method for improving the operating efficiency of a vehicle during driving of a vehicle along a route of travel. The present invention also concerns a motor vehicle. The present invention also concerns a computer program and a computer program product.

IPC 8 full level  
**B60W 30/14** (2006.01); **B60K 31/00** (2006.01); **B60W 30/18** (2012.01); **B60W 50/00** (2006.01)

CPC (source: EP KR SE)  
**B60K 31/00** (2013.01 - SE); **B60W 30/143** (2013.01 - EP KR SE); **B60W 30/18072** (2013.01 - EP SE); **B60W 30/18136** (2013.01 - EP); **B60W 40/06** (2013.01 - SE); **B60W 40/1005** (2013.01 - KR); **B60W 50/0097** (2013.01 - EP KR SE); **B60W 2030/18081** (2013.01 - SE); **B60W 2030/1809** (2013.01 - SE); **B60W 2510/0647** (2013.01 - KR); **B60W 2552/00** (2020.02 - SE); **B60W 2552/15** (2020.02 - EP SE); **B60W 2552/20** (2020.02 - EP); **B60W 2552/30** (2020.02 - EP SE); **B60W 2555/60** (2020.02 - EP SE); **B60W 2556/50** (2020.02 - EP); **B60W 2710/0655** (2013.01 - KR); **B60W 2720/103** (2013.01 - EP KR); **G01C 21/3697** (2013.01 - SE); **Y02T 10/60** (2013.01 - EP)

Citation (search report)  
• [X] DE 102007036794 A1 20090205 - PORSCHE AG [DE]  
• [X] US 2013096792 A1 20130418 - MAIER ALEXANDER [DE], et al  
• [X] DE 102012213321 A1 20140130 - BOSCH GMBH ROBERT [DE]  
• See references of WO 2015178838A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2015178838 A1 20151126**; BR 112016024853 A2 20170815; EP 3145777 A1 20170329; EP 3145777 A4 20180207; KR 20170007362 A 20170118; SE 1450604 A1 20151122

DOCDB simple family (application)  
**SE 2015050568 W 20150520**; BR 112016024853 A 20150520; EP 15795544 A 20150520; KR 20167034354 A 20150520; SE 1450604 A 20140521