

Title (en)  
METHOD AND MANAGEMENT UNIT PERTAINING TO VEHICLE TRAINS

Title (de)  
VERFAHREN UND VERWALTUNGSEINHEIT FÜR FAHRZEUGZÜGE

Title (fr)  
PROCÉDÉ ET UNITÉ DE GESTION AYANT TRAIT À DES TRAINS DE VÉHICULES

Publication  
**EP 2671124 A4 20151028 (EN)**

Application  
**EP 12742706 A 20120124**

Priority  
• SE 1150075 A 20110203  
• SE 2012050066 W 20120124

Abstract (en)  
[origin: WO2012105889A1] The invention relates to a method for organising and managing a vehicle train by using a management unit, comprising:  
A) the management unit receiving vehicle train information which relates to at least two vehicles and comprises, for each of them, starting and destination points for a journey, times for the journey, e.g. departure time and/or arrival time, vehicle-specific information, e.g. engine power, vehicle weight, frontal cross-sectional area, fuel consumption; B) matching the times of the vehicles with one another and determining on the basis thereof a time for the vehicle train; C) matching starting and destination points of the vehicles with one another and determining on the basis thereof an itinerary for the vehicle train. D) calculating for each vehicle an individual value parameter which represents the consequences of taking part in the vehicle train, based on at least the vehicle-specific information and the specified itinerary, which value parameter represents one or more from among fuel saving, time gain or time loss.

IPC 8 full level  
**B60W 30/00** (2006.01); **G05D 1/02** (2020.01); **G06Q 10/083** (2023.01); **G08G 1/16** (2006.01)

CPC (source: EP SE)  
**B60W 30/00** (2013.01 - SE); **G05D 1/0293** (2024.01 - EP); **G05D 1/695** (2024.01 - SE); **G06Q 10/06** (2013.01 - SE); **G06Q 50/40** (2024.01 - EP); **G08G 1/164** (2013.01 - SE); **G08G 1/22** (2013.01 - EP); **B60W 2556/55** (2020.02 - EP); **B60W 2556/65** (2020.02 - EP); **G01S 2013/9325** (2013.01 - EP)

Citation (search report)  
• [A] EP 2166492 A2 20100324 - HONEYWELL INT INC [US]  
• [A] JP 2009157794 A 20090716 - EQUOS RES CO LTD  
• [A] EP 2056270 A1 20090506 - TOYOTA MOTOR CO LTD [JP]  
• [X] ANDREAS FRIEDRICHS: "Ein Fahrerinformationssystem zum Betrieb von LKW-Konvois", 2008, VDI VERLAG, Düsseldorf, ISBN: 978-3-18-367312-4, pages: 16 - 97, XP002744435, 673  
• [A] RALPH KUNZE ET AL: "Organization and Operation of Electronically Coupled Truck Platoons on German Motorways", 16 December 2009, INTELLIGENT ROBOTICS AND APPLICATIONS, SPRINGER BERLIN HEIDELBERG, BERLIN, HEIDELBERG, PAGE(S) 135 - 146, ISBN: 978-3-642-10816-7, XP019135883  
• See references of WO 2012105889A1

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 2012105889 A1 20120809**; BR 112013018823 A2 20170328; CN 103403639 A 20131120; CN 103403639 B 20171208; EP 2671124 A1 20131211; EP 2671124 A4 20151028; SE 1150075 A1 20120804

DOCDB simple family (application)  
**SE 2012050066 W 20120124**; BR 112013018823 A 20120124; CN 201280011463 A 20120124; EP 12742706 A 20120124; SE 1150075 A 20110203