

Title (en)
DEVICE AND METHOD FOR PLATOON FORMATION

Title (de)
VORRICHTUNG UND VERFAHREN ZUR KOLONNENBILDUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR LA FORMATION DE PELOTONS

Publication
EP 2932487 A4 20160427 (EN)

Application
EP 13862945 A 20131125

Priority
• SE 1251407 A 20121212
• SE 2013051382 W 20131125

Abstract (en)
[origin: WO2014092628A1] The invention pertains to a method for the evaluation of progress comprising platoon formation, comprising the steps to: - establish (s451) journey characteristics for a first vehicle (100) potentially participating in a platoon formation; - establish (s452) journey characteristics for at least one additional vehicle (1 10) potentially participating in said platoon; - based on journey characteristics for said first (100) as well as said additional vehicle (1 10), establish (s453) whether the time of arrival for said first vehicle (100) is acceptable on formation of and participation in a platoon comprising said first vehicle (100) as well as said additional vehicle(1 10); and - based on said journey characteristics for said first (100) as well as said additional vehicle (1 10), establish (s454) whether formation of and participation in a platoon comprising said first, as well as said additional vehicle, entails a fuel saving compared to said first vehicle (100) travelling on its own. The invention also pertains to a computer program product comprising program code (P) for a computer (200; 210) to implement a method according to the invention. The invention also pertains to a device and a motor vehicle equipped with such device.

IPC 8 full level
G08G 1/00 (2006.01); **B60W 30/00** (2006.01); **G05D 1/02** (2020.01); **G06Q 10/047** (2023.01); **G06Q 10/0631** (2023.01); **G06Q 10/08** (2023.01); **G06Q 10/06** (2023.01)

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B60W 30/00 (2013.01 - SE); **G05D 1/695** (2024.01 - SE); **G06Q 10/047** (2013.01 - EP); **G06Q 10/0631** (2013.01 - EP); **G06Q 10/08** (2013.01 - EP); **G08G 1/22** (2013.01 - SE); **G06Q 10/06** (2013.01 - SE)

Citation (search report)
• [I] WO 2012105889 A1 20120809 - SCANIA CV AB [SE], et al
• [I] RAMAKERS R ET AL: "Electronically coupled truck platoons on German highways", SYSTEMS, MAN AND CYBERNETICS, 2009. SMC 2009. IEEE INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 11 October 2009 (2009-10-11), pages 2409 - 2414, XP031575029, ISBN: 978-1-4244-2793-2
• See references of WO 2014092628A1

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