

Title (en)

METHOD AND SYSTEM FOR THE ORGANISATION OF VEHICLE PLATOONS

Title (de)

VERFAHREN UND SYSTEM ZUR ORGANISATION VON FAHRZEUGKOLONNEN

Title (fr)

PROCÉDÉ ET SYSTÈME DESTINÉS À L'ORGANISATION DE PELOTONS DE VÉHICULES

Publication

EP 3053156 A4 20170705 (EN)

Application

EP 14850032 A 20140926

Priority

- SE 1351132 A 20130930
- SE 2014051123 W 20140926

Abstract (en)

[origin: WO2015047182A1] A system and a method to organise a vehicle platoon. The system comprises a processor unit that is configured to determine a ratio b_x for a vehicle f_x that wishes to become a member of the vehicle platoon, which ratio describes the relationship between the maximum engine power of the vehicle f_x and the mass of the vehicle, or the relationship between the maximum engine torque of the vehicle f_x and the mass of the vehicle, to compare the ratio b_x with at least one other ratio b_k for a vehicle f_k in the vehicle platoon, which ratio describes the relationship between the maximum engine power of the vehicle f_k and the mass of the vehicle, or the relationship between the maximum engine torque of the vehicle f_k and the mass of the vehicle, and to determine a location for the vehicle f_x in the vehicle platoon based on the result of the comparison. The system is further configured to generate a location signal that indicates the location of the vehicle f_x and to transmit the location signal to an indicator unit in the vehicle f_x , whereby the location of the vehicle f_x is designated for the driver of the vehicle f_x .

IPC 8 full level

G08G 1/16 (2006.01); **B60W 30/16** (2020.01); **G05D 1/02** (2020.01); **G06Q 10/04** (2012.01); **G06Q 50/30** (2012.01); **G08G 1/00** (2006.01)

CPC (source: EP SE)

G05D 1/0295 (2024.01 - EP); **G05D 1/695** (2024.01 - SE); **G06Q 10/04** (2013.01 - EP); **G06Q 50/40** (2024.01 - EP); **G08G 1/22** (2013.01 - EP); **B60W 30/16** (2013.01 - SE)

Citation (search report)

- [I] WO 2013006826 A2 20130110 - PELOTON TECHNOLOGY INC [US], et al
- [I] WO 2012105889 A1 20120809 - SCANIA CV AB [SE], et al
- [I] KUO-YUN LIANG ET AL: "The impact of heterogeneity and order in heavy duty vehicle platooning networks (poster)", VEHICULAR NETWORKING CONFERENCE (VNC), 2011 IEEE, IEEE, 14 November 2011 (2011-11-14), pages 291 - 297, XP032081859, ISBN: 978-1-4673-0049-0, DOI: 10.1109/VNC.2011.6117113
- See references of WO 2015047182A1

Cited by

EP3836110A1; US11472407B2; US10339815B1

Designated contracting state (EPC)

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