

Title (en)

A method to determine the fuel consumption of lorries

Title (de)

Verfahren zur Treibstoffverbrauchsermittlung für Lkw

Title (fr)

Procédé de détermination de la consommation en carburant de véhicules poids-lourd

Publication

EP 2239710 A1 20101013 (EN)

Application

EP 10003690 A 20100406

Priority

CZ 2009217 A 20090408

Abstract (en)

A method to determine the fuel consumption which can be utilized in the area of the motor freight haulage and is contingent on technical parameters and on the parameters, important to determine the fuel consumption of vehicles, and combination thereof into driving sets, and having the character of executed transports. At first, the vehicles (1) of a vehicle fleet are sorted in groups in compliance with certain parameters. Further after standard working performance of every vehicle (1), the reference data is acquired which are generated in the course of runs under the standard working performance of the vehicle. The reference data consist of the combination of the reference data I, generating from the on-board computer (2) of said vehicle (1), and of the reference data II, generating from the order system (6). Subsequently, the reference data are analyzed with the result of the determination of the functional dependence of the fuel consumption on said reference data. Then for every group of vehicles (1) of the vehicle fleet a calculating model for the approximated fuel consumption is found in dependence on the reference data. Further, the real data for every vehicle (1) of the vehicle fleet are acquired repeatedly, said real data being generated during the standard working performance of said vehicle (1) during certain period. The real data consist of the combination of the real data I, generating from the on-board computer (2) of said vehicle (1), and of the real data II generating from the order system (6). With using the found calculating model for the approximated fuel consumption and inserting the real data, the claimed fuel consumption is determined for given period. In the last step, the claimed fuel consumption is compared to the real fuel consumption for the given period.

IPC 8 full level

G06F 19/00 (2018.01); **G07C 5/08** (2006.01)

CPC (source: EP)

G07C 5/085 (2013.01)

Citation (applicant)

US 2008270519 A1 20081030 - EKDAHL HANS [SE], et al

Citation (search report)

- [I] US 2009048726 A1 20090219 - LOFALL DEAN ALLEN [US]
- [I] US 5737215 A 19980407 - SCHRICKER DAVID R [US], et al
- [A] GB 2449769 A 20081203 - LYSANDA LTD [GB]
- [A] US 2007143002 A1 20070621 - CROWELL THOMAS J [US], et al

Citation (examination)

US 2006089781 A1 20060427 - SATO TASUKU [JP], et al

Cited by

WO2017132120A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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