

Title (en)

METHOD FOR TRANSPORTING A PLURALITY OF OBJECTS BETWEEN OBJECT-SPECIFIC LOCATIONS

Title (de)

VERFAHREN ZUM TRANSPORTIEREN EINER VIELZAHL VON OBJEKTEN ZWISCHEN OBJEKTSPEZIFISCHEN ORTEN

Title (fr)

PROCÉDÉ DE TRANSPORT D'UN GRAND NOMBRE D'OBJETS ENTRE DES ENDROITS SPÉCIFIQUES AUX OBJETS

Publication

EP 3411838 A1 20181212 (DE)

Application

EP 17703421 A 20170206

Priority

- EP 16154441 A 20160205
- EP 2017052529 W 20170206

Abstract (en)

[origin: WO2017134299A1] In order to transport a plurality of objects using a plurality of transport vehicles, a starting point and a destination as well as a respectively associated starting time and/or arrival time are noted for each object as object coordinates in a space-time and a transport capacity and an actual location are noted for each transport vehicle. A transport path network of possible transport paths of the transport vehicles with average speeds of the transport vehicles on the transport paths is defined, and on the basis of the transport path network, all possible transport paths suitable for each object, between the object coordinates thereof, are determined and noted in the space-time. In the space-time, suitable transport paths for different objects are converged to form routes of individual transport vehicles, the transport capacities and the actual locations of the transport vehicles being observed, and the routes together with the starting points, the starting times, the destinations and the arrival times of the associated objects are transmitted to the participating transport vehicles on departure.

IPC 8 full level

G06Q 10/04 (2012.01); **G06Q 10/08** (2012.01); **G06Q 50/30** (2012.01); **G08G 1/127** (2006.01)

CPC (source: EP US)

G06Q 10/047 (2013.01 - EP US); **G06Q 10/083** (2013.01 - EP US); **G06Q 10/08355** (2013.01 - EP US); **G06Q 50/40** (2024.01 - EP US); **G08G 1/127** (2013.01 - EP US); **G08G 1/202** (2013.01 - EP US)

Citation (search report)

See references of WO 2017134299A1

Cited by

US11733051B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 16154441 A 20160205; CN 201780020548 A 20170206; EP 17703421 A 20170206; EP 2017052529 W 20170206; JP 2018539074 A 20170206; US 201816055583 A 20180806