Title (en)
METHOD FOR CONTROLLING VEHICLES IN CASE OF A CONFLICT SITUATION AND DECISION SUPPORT SYSTEM

Title (de)
VERFAHREN ZUR KONTROLLE VON FAHRZEUGEN IN EINER KONFLIKTSITUATION UND ENTSCHEIDUNGSUNTERSTÜTZUNGSSYSTEM

Title (fr)
PROCÉDÉ POUR COMMANDER DES VÉHICULES DANS LE CAS D'UNE SITUATION DE CONFLIT ET SYSTÈME D'AIDE À LA DÉCISION

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Application
EP 16158494 A 20160303

Priority
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Abstract (en)
The invention concerns a method for controlling vehicles in case of a conflict situation, with the following steps: (a) determination of an actual operation state of the vehicle and/or of a planned route; (b) classification of the conflict situation thereby determining an action space; (c) searching a knowledge base comprising rated solutions which are assigned to an operation state equal or similar to the actual operation state; in case one or more rated solutions are found which are assigned to an operation state which is similar to the actual operation state: (d) selection of at least one rated solution from the knowledge base; (e) optimization of the at least one selected solution applied to the actual operation state, wherein the optimization uses a genetic algorithm and results in an optimized solution; (f) carrying out the optimized solution. Suitable solutions to solve the conflict can be found with reduced time effort.

IPC 8 full level
B61L 27/00 (2006.01)

CPC (source: EP)
B61L 27/16 (2022.01)

Citation (applicant)
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