

Title (en)
PROCESS FOR RELIEVING OR PREVENTING UNWANTED TRAFFIC JAMS

Title (de)
VERFAHREN ZUR AUFLÖSUNG ODER VERHINDERUNG VON UNERWÜNSCHTEN VERKEHRSTAUUNGEN

Title (fr)
PROCEDE POUR RESORBER OU PREVENIR LES EMBOUTEILLAGES

Publication
EP 0371023 B1 19960327 (DE)

Application
EP 88904194 A 19880511

Priority
CH 8800089 W 19880511

Abstract (en)
[origin: WO8911138A1] Traffic jams (1) can be relieved (5) if vehicles (2) reduce their speed (3) below the currently possible value (4). For this purpose, vehicles (6) are counted during a counting interval (7) in order to derive a waiting time (8) in relation to the time (9) required by the vehicles to pass the region (10) of the potential traffic jam. The target speed (3) is obtained by dividing the waiting time (8) by the section (11) or by the driving time (12). If the actual speed (13) is greater than the target speed (3), a lower value (14) than the target speed is transferred to a speed-regulating device (15). If the actual speed is too low, a higher value is transferred. The speed is controlled at a plurality of potential traffic jam regions. The vehicles obtain equivalence values. Allowance is made for fluctuations in traffic flow at intersections. Differences in speed between sections are reduced by the process. Additional control sections are employed in peak traffic. The speed-regulating devices also influence the energy supply and the direction of motion. Vehicles are diverted if this results in shorter driving times. Aircraft obtain individual waiting time values, which they reduce in function of flight time, and are released for takeoff only if this does not cause additional major traffic jams.

IPC 1-7
G08G 1/07; G08G 1/01

IPC 8 full level
G08G 1/01 (2006.01); **G08G 1/07** (2006.01); **G08G 5/00** (2006.01)

CPC (source: EP)
G08G 1/0116 (2013.01); **G08G 1/0133** (2013.01); **G08G 1/065** (2013.01); **G08G 5/0013** (2013.01); **G08G 5/0043** (2013.01);
G08G 5/0065 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
WO 8911138 A1 19891116; DE 3855163 D1 19960502; EP 0371023 A1 19900606; EP 0371023 B1 19960327

DOCDB simple family (application)
CH 8800089 W 19880511; DE 3855163 T 19880511; EP 88904194 A 19880511