

Title (en)
SELECTIVE TRANSMISSION SYSTEM FOR TRAFFIC INFORMATION

Publication
EP 0058596 B1 19870121 (FR)

Application
EP 82400178 A 19820203

Priority
FR 8102367 A 19810206

Abstract (en)
[origin: EP0058596A1] 1. Selective transmission system for road information items, comprising : a first group of transmitters defining road information cells in a given region, each transmitter (2a, 2b) of this first group being suitable for transmitting on a unique frequency common to all the transmitters of this first group a coded locating signal (I) allowing one of the said cells, the routing and/or the direction of traffic flow followed by the vehicles (8) likely to be moving in at least one of the said cells to be identified ; A second group of transmitters (12) each being suitable for transmitting road destination information messages of the said vehicles (8), these messages being preceded by a coded preamble (p) which is analogous to the said coded locating signal (I) allowing at least one of the said cells, the routing and/or the direction of traffic flow followed by the said vehicles (8) in at least one of the said cells to be identified ; and An on-board receiver (10) which is on permanent watch, mounted on each of the said vehicles, comprising a first reception subassembly (28) suitable for receiving the coded locating signals (I), means allowing the processing (30, 32) of the said coded locating signals, a second reception subassembly (36) suitable for receiving the road information messages and the associated coded preambles (p), means allowing the processing (37, 38, 40) of the said preambles and means allowing the information messages intended for each of the said vehicles (8) to be identified (42) by comparing the said preambles (p) with the latter coded locating signal (I) while the said vehicles (8) are likely to move in at least one of the said cells, following at least one route and/or at least one given direction of traffic flow ; characterized in that the coded locating signal (I) and the coded preamble (p) are alphanumeric signals, that the latter coded locating signal is stored in memory (34) and that the system also comprises : distress transmitters (14) mounted on the vehicles, one distress transmitter per vehicle, capable of transmitting coded alphanumeric distress messages (d) comprising a distress signal (DD), the coded locating signal (I) stored in memory (34) in the on-board receivers, and fixed data (T, CO) put into memory (50) and characterizing each vehicle ; and a network of rescue receivers (16) capable of receiving and identifying the said coded messages, these rescue receivers being arranged in the vicinity of rescue centres (18) each being responsible for one group of cells.

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G08G 1/09; **G08B 25/00**

IPC 8 full level
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CPC (source: EP)
G08B 25/016 (2013.01); **G08G 1/093** (2013.01)

Cited by
EP1022704A1; EP0704831A1; US5784005A; US5933114A; WO9525410A1

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