

Title (en)

EMERGENCY VEHICLE TRAFFIC SIGNAL PRE-EMPTION AND COLLISION AVOIDANCE SYSTEM

Title (de)

VERKEHRSSIGNALVORBELEGUNG FÜR NOTFAHRZEUGE UND KOLLISIONSVERMEIDUNGSSYSTEM

Title (fr)

SYSTEME ANTICOLLISION ET DE BLOCAGE DE FEUX DE SIGNALISATION POUR VEHICULES D'URGENCE

Publication

**EP 1440425 A1 20040728 (EN)**

Application

**EP 01979327 A 20011001**

Priority

US 0130520 W 20011001

Abstract (en)

[origin: CA2462103A1] A system to allow emergency vehicles operators to obtain graphic data regarding other emergency vehicles (2) that may pose threats of collision. Automatic signaling takes place between emergency vehicles (2) within range of each other to transmit directional data regarding the direction of travel of each emergency vehicle (2). This data is correlated to derive directional vectors relative to each other that are displayed so that the operator can quickly determine the direction of other vehicles with respect to his own. The system includes equipment for preempting traffic signals (4) by selected emergency vehicles (2), and for informing other emergency vehicles (2) that a traffic signal has been preempted.

IPC 1-7

**G08G 1/0965**; G08G 1/16; G08G 1/087

IPC 8 full level

**G08G 1/087** (2006.01); **G08G 1/0965** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP)

**G08G 1/0965** (2013.01); **G08G 1/161** (2013.01)

Cited by

DE102008010816A1; CN106652501A; US2022379892A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

AT E348380 T1 20070115; CA 2462103 A1 20030410; CA 2462103 C 20090915; DE 60125249 D1 20070125; EP 1440425 A1 20040728; EP 1440425 A4 20050608; EP 1440425 B1 20061213

DOCDB simple family (application)

AT 01979327 T 20011001; CA 2462103 A 20011001; DE 60125249 T 20011001; EP 01979327 A 20011001