

Title (en)  
ROAD VEHICLE CRUISE CONTROL SYSTEM

Title (de)  
TEMPOMATSYSTEM FUR KRAFTFAHRZEUGE

Title (fr)  
SYSTEME REGULATEUR DE VITESSE D'UN VEHICULE ROUTIER

Publication  
**EP 0706667 A1 19960417 (EN)**

Application  
**EP 94918940 A 19940627**

Priority  
• GB 9401379 W 19940627  
• GB 9313724 A 19930702  
• GB 9321320 A 19931015

Abstract (en)  
[origin: WO9501577A1] Cruise control systems for cars enable a driver to set a desired speed and then remove his foot from the accelerator. Acceleration and braking are then undertaken automatically as hills are encountered. Further developments have been proposed involving optical and microwave measurement of distance and rate of change. No system so far completely avoids confusion by, for example, lane changing, road curving and roadside furniture. The invention provides a light-based radar system in which all targets in a field of view are tracked for a time, assessed for possible conflict and either continued to be monitored or discounted as of no interest. Target returns are stored in a digital store and correlated with vehicle dimensions by "clumping" and "erosion" of the stored signals to produce vehicle-related target clumps to be tracked.

IPC 1-7  
**G01S 17/93**; **B60K 31/00**

IPC 8 full level  
**B60K 31/00** (2006.01); **G01S 17/66** (2006.01); **G01S 17/931** (2020.01)

CPC (source: EP US)  
**B60K 31/0008** (2013.01 - EP); **B60W 30/16** (2013.01 - EP US); **G01S 17/66** (2013.01 - EP); **G01S 17/931** (2020.01 - EP)

Citation (search report)  
See references of WO 9501577A1

Designated contracting state (EPC)  
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**WO 9501577 A1 19950112**; EP 0706667 A1 19960417

DOCDB simple family (application)  
**GB 9401379 W 19940627**; EP 94918940 A 19940627