

Title (en)
AN IMPROVED ELECTRONIC SAFETY DEVICE FOR TRUCKS

Publication
EP 0451117 A3 19921007 (EN)

Application
EP 91830117 A 19910326

Priority
IT 343490 A 19900405

Abstract (en)
[origin: EP0451117A2] The device utilizes two sensors (1, 7) of identical specification, and a light source (3), all of which mounted to a single bracket and directed at the road surface (2) in such a way that the beam from the source is reflected back at the sensors; the sensors are wired into a comparator (8) of which the output signal is used to pilot the activation of an alarm (6), and becomes operative whenever the signals from the two sensors become dissimilar by reason of the different luminous intensities and/or wavelengths in the beam when reflected in part by the natural road surface (2), and in part by the white or yellow lines (4) bordering a traffic lane or a hard shoulder. <IMAGE>

IPC 1-7
G08G 1/04

IPC 8 full level
B60R 21/00 (2006.01); **B60K 28/06** (2006.01); **B60W 30/00** (2006.01); **G05D 1/02** (2006.01); **G08B 21/00** (2006.01); **G08G 1/0962** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP)
G08G 1/167 (2013.01)

Citation (search report)
• [X] US 4348652 A 19820907 - BARNES ROBERT R, et al
• [Y] WO 8702164 A1 19870409 - POWER COLIN RICHARD

Cited by
FR2821963A1; DE10135108A1; DE10135108B4; GB2317009A; US5982278A; DE102004061822A1; GB2410327A; DE102004061822B4; GB2420404A; FR2821962A1; GB2420404B; US6925859B2; WO02071363A1; WO9717686A1; WO02077948A1; WO9819281A1

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

DOCDB simple family (publication)
EP 0451117 A2 19911009; EP 0451117 A3 19921007; AU 7409791 A 19911010; CA 2039282 A1 19911006; IT 1238543 B 19930818; IT 9003434 A0 19900405; IT 9003434 A1 19911006; JP H04271411 A 19920928

DOCDB simple family (application)
EP 91830117 A 19910326; AU 7409791 A 19910404; CA 2039282 A 19910327; IT 343490 A 19900405; JP 10044191 A 19910405