

Title (en)
Reflective road markers.

Title (de)
Rückstrahlende Strassenmarkierung.

Title (fr)
Marqueur de chaussée réfléchissant.

Publication
EP 0043656 A1 19820113 (EN)

Application
EP 81302637 A 19810615

Priority
GB 8022141 A 19800705

Abstract (en)
A road marker for embedding in a road surface (23) has a displaceable reflector unit (11) resiliently carried in a cup-shaped casing (10) on a spherical rubber spring (12). The reflector unit (11) carries uppermost a pair of oppositely-facing reflective elements (14) disposed back-to-back and inclined at low angles to the horizontal. The reflective elements (14), in the upper biased position of the reflector unit (11), protrude above the upper rim (17) of the casing (10). A pair of guard shoulders (45) disposed on the reflector unit (11) flank the pair of reflective elements (14), and protrude above adjacent parts of those elements (14), so that when a vehicle tyre rolls over the marker, depression of the shoulders (45) by the tyre displaces the reflective elements (14) away from the tyre and thereby reduces the extent or degree of physical contact of the tyre with the exposed surfaces of the reflective elements (14). The shoulders (45) preferably incorporate metal reinforcement members to protect the shoulders (45) against non-rolling objects which slide over the marker, and the reflector unit (11) has apertures through which jets of air/water are expelled from the casing (10) when the reflector unit (11) is depressed by a tyre.

IPC 1-7
E01F 9/06

IPC 8 full level
E01F 9/07 (2006.01)

CPC (source: EP)
E01F 9/571 (2016.02)

Citation (search report)
• GB 1507385 A 19780412 - KING & RAY LTD M
• DE 6803854 U 19690313 - DEBUSCHEWITZ KG H [DE]
• GB 1190258 A 19700429 - BEVERLEY WILLIAM MAYNARD
• US 3216335 A 19651109 - GREGORY STOLARCZYK, et al
• DE 1784201 A1 19710729 - AMERIACE ESNA CORP
• DE 1784198 B2 19740425
• US 3570377 A 19710316 - GERBER BORIS
• DE 7143491 U
• GB 903938 A 19620822 - GHEEN RANDOLPH ABBOTT SR
• DE 1941483 A1 19710225 - MACRAE ROBERT STUART

Cited by
EP0100524A1; EP0308484A4; GB2417973A; GB2417973B; EP1012399A4; GB2212841A; GB2212841B; EP1655413A3; FR2534398A1; WO2014077776A1; WO2004101895A1; WO2019102481A1; KR100401238B1

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

DOCDB simple family (publication)
EP 0043656 A1 19820113

DOCDB simple family (application)
EP 81302637 A 19810615