

Title (en)

A variable geometry road barrier and a method for manufacturing thereof

Title (de)

Straßensperre mit veränderlicher Geometrie und Herstellungsverfahren dafür

Title (fr)

Barrière routière à géométrie variable et son procédé de fabrication

Publication

EP 2439339 A1 20120411 (EN)

Application

EP 10461530 A 20101006

Priority

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Abstract (en)

A variable geometry road barrier comprising a plurality of supports joined with at least one longitudinal beam (160), wherein at least one support comprises a base (101, 201), a substantially vertical tiltable post (110, 210) connected at its lower portion (111, 211) with the base (101, 201), a substantially horizontal toothed bar (120, 220) attached to the base (101, 201) and extending substantially perpendicularly to the longitudinal beam (160), at least one arm (150, 155, 250, 255) connected pivotably at its first end (151, 251) to an upper portion (112, 212) of the post (110, 210), and at its second end (152, 252) to an energy absorber, the energy absorber comprising at least one rotor (131, 132, 231) coupled with a toothed wheel (133, 233) mounted rotatably on a shaft (134, 234) to which the second end of the arm (150, 155, 250, 255) is connected, the toothed wheel (133, 233) being meshed with the toothed bar (120, 220) such that the displacement of the upper portion (112, 212) of the post (110, 210) induces rotation of the rotor (131, 132, 231).

IPC 8 full level

E01F 15/04 (2006.01)

CPC (source: EP)

E01F 15/0415 (2013.01)

Citation (applicant)

- EP 0677615 A1 19951018 - TUBOSIDER ITALIANA S P A [IT]
- US 2007007780 A1 20070111 - LAGIEWKA LUCJAN [PL], et al

Citation (search report)

- [AD] EP 0677615 A1 19951018 - TUBOSIDER ITALIANA S P A [IT]
- [A] DE 1143843 B 19630221 - FRANCO POLLICE DR ING
- [A] US 3385564 A 19680528 - GUNTER PERSICKE

Cited by

CN112211136A; WO2014009792A1; WO2012126539A1; WO2012126538A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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