

Title (en)

A traffic-safe and collision energy absorbing pole

Title (de)

Verkehrssichere und aufprallenergieabsorbierende Stange

Title (fr)

Pôle d'absorption d'énergie de collision et trafic sécurisé

Publication

**EP 2735652 A1 20140528 (EN)**

Application

**EP 13194665 A 20131127**

Priority

NL 2009887 A 20121127

Abstract (en)

A traffic-safe and collision energy absorbing pole 10 comprises a first collision energy absorbing arrangement 20 for absorbing a first amount of collision energy upon a collision impact of a road vehicle R with the pole; and a second collision energy absorbing arrangement 30 for absorbing a second amount of collision energy. The second arrangement only provides substantial absorption of the second amount of collision energy a first time span after a start of absorption of the first amount of collision energy by the first collision energy absorbing arrangement. The first and second collision energy absorbing arrangements can be provided such that substantially no collision energy is being absorbed after end of absorption of the first amount of collision energy by the first collision energy absorbing arrangement during a second time span before start of absorption of the second amount of collision energy by the second collision energy absorbing arrangement.

IPC 8 full level

**E01F 9/018** (2006.01)

CPC (source: EP)

**E01F 9/635** (2016.02)

Citation (search report)

- [X] WO 8502636 A1 19850620 - GEBELIUS SVEN RUNO VILHELM
- [X] DE 2211237 A1 19730913 - SIEMENS AG
- [X] WO 2011120069 A1 20111006 - GRIFFITHS MICHAEL [AU], et al
- [X] DE 2830875 A1 19791031 - VULKAN WERK GMBH

Cited by

NL2032450B1; WO2024013269A1; AU2018232798B2; CN107524101A; CN112712602A; EP3372731A1; CN110382779A; WO2021240070A1; WO2018162575A3

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2735652 A1 20140528; EP 2735652 B1 20180822; NL 2009887 C2 20140602**

DOCDB simple family (application)

**EP 13194665 A 20131127; NL 2009887 A 20121127**