

Title (en)  
Collision detection for a vehicle

Title (de)  
Kollisionserfassung bei einem Fahrzeug

Title (fr)  
Détection de collision pour véhicule

Publication  
**EP 2548783 A3 20160302 (DE)**

Application  
**EP 12177214 A 20120720**

Priority  
DE 102011052070 A 20110722

Abstract (en)  
[origin: EP2548783A2] The detector i.e. obstacle deflector (1), has a sensor (6) for generating collision signal by relative motion between a collision beam (4), arms (5) and a mounting bracket (2). The beam and the arms are connected with the bracket by a guiding unit (7) and held in an initial position relative to the bracket by a fixing unit (8) that is designed such that predetermined collision force on one of the beam and arms is exceeded. The fixing unit releases the beam and the arms during collision such that the beam and the arms are guidably moved from the initial position through the guiding unit. Independent claims are also included for the following: (1) a vehicle (2) a method for operating a vehicle.

IPC 8 full level  
**B61L 23/04** (2006.01); **B60R 21/0136** (2006.01); **B61F 19/04** (2006.01)

CPC (source: EP)  
**B61F 19/04** (2013.01); **B61L 23/041** (2013.01)

Citation (search report)

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- [Y] US 4247138 A 19810127 - CHILD JAMES R
- [A] DE 4303549 A1 19940811 - BERGISCHE STAHLINDUSTRIE [DE]

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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 2548783 A2 20130123; EP 2548783 A3 20160302**; DE 102011052070 A1 20130124; SG 187359 A1 20130228

DOCDB simple family (application)  
**EP 12177214 A 20120720**; DE 102011052070 A 20110722; SG 2012054482 A 20120720