

Title (en)  
Manhole cover

Title (de)  
Fahrzeugluke

Title (fr)  
Couvercle de trou d'homme

Publication  
**EP 2180287 B1 20140402 (DE)**

Application  
**EP 09173472 A 20091020**

Priority  
DE 102008053130 A 20081024

Abstract (en)  
[origin: EP2180287A2] The hatch has a cushion element (4) sectionally cushioning an edge of a hatch opening (2), for protecting a crew member (20). The cushion element includes a deformation element that is plastically deformable for receiving kinetic energy, where the deformation element is surrounded by a cushion material of the cushion element. Upper and lower sides of the cushion material are connected with each other via a recess of the deformation element. A chamfer is arranged at a side of the deformation element.

IPC 8 full level  
**F41H 5/22** (2006.01)

CPC (source: EP)  
**F41H 5/223** (2013.01)

Cited by  
EP2809555A4; WO2013116121A2

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2180287 A2 20100428; EP 2180287 A3 20130109; EP 2180287 B1 20140402**; DE 102008053130 A1 20100429;  
DE 102008053130 B4 20130425; ES 2476263 T3 20140714

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