

Title (en)
Manhole cover for armoured vehicle

Title (de)
Luke für ein gepanzertes Kampffahrzeug

Title (fr)
Couvercle de trou d'homme pour véhicule blindé

Publication
EP 0863378 A3 19991201 (DE)

Application
EP 98103230 A 19980225

Priority
DE 19708848 A 19970305

Abstract (en)
[origin: EP0863378A2] The hatch has a hatch cover (2) turning on a first turning axis (4) fitted to a cover holder (3) turning about a second turning axis (5) fitted to the vehicle. The hatch cover can be locked to the cover holder, and the cover holder can be locked to the vehicle. There is a common locking device which has a locking handle (6) fitted to the hatch cover and carrying an operating shaft with cams on it. There is a control cam of a first locking bolt in the turning region of one of the operating cam for locking the hatch cover to its holder. At a certain setting of the hatch cover, the control cam for the second locking bolt is in the turning region of the other operating cam. This bolt locks the cover holder to the vehicle.

IPC 1-7
F41H 5/22

IPC 8 full level
E05D 3/06 (2006.01); **E05D 11/10** (2006.01); **F41H 5/22** (2006.01)

CPC (source: EP)
F41H 5/223 (2013.01); **E05D 3/127** (2013.01); **E05Y 2900/504** (2013.01)

Citation (search report)

- [AD] DE 3938586 A1 19910523 - WEGMANN & CO [DE]
- [A] DE 4341265 A1 19950608 - WEGMANN & CO GMBH [DE]
- [A] GB 1281084 A 19720712 - HELIO MIRROR COMPANY LTD
- [A] US 3315412 A 19670425 - RUDOLF HULTGREN KARL STEN
- [A] DE 1201214 B 19650916 - RHEINSTAHL HANOMAG AG
- [A] US 4587880 A 19860513 - SPRAFKE UWE [DE]
- [A] US 4655499 A 19870407 - PIPER ROBERT J [US]

Cited by
EP2199729A3; EP2199729B1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0863378 A2 19980909; EP 0863378 A3 19991201; EP 0863378 B1 20020522; DE 19708848 A1 19980910; DE 59804168 D1 20020627; ES 2176837 T3 20021201

DOCDB simple family (application)
EP 98103230 A 19980225; DE 19708848 A 19970305; DE 59804168 T 19980225; ES 98103230 T 19980225