

Title (en)

LIFTING DEVICE FOR MANHOLE COVERS OR SIMILAR

Title (de)

HEBEVORRICHTUNG FÜR SCHACHTABDECKUNGEN ODER ÄHNLICHES

Title (fr)

DISPOSITIF DE LEVAGE POUR UNE BOUCHE D' EGOUT OU SIMILAIRE

Publication

**EP 4140937 A1 20230301 (EN)**

Application

**EP 22191551 A 20220822**

Priority

IT 202100022436 A 20210827

Abstract (en)

A lifting device (1) for lifting and moving a manhole cover (9) comprises a variable geometry structure comprising in turn a lifting portion (2), configured to support at least one grip (4), the lifting portion (2) and the handle (3) being hinged directly and reciprocally around an axis of rotation (5), wherein the lifting device (1) comprises locking members (6) configured to selectively lock in a predetermined position the handle (3) with respect to the lifting portion (2) among a plurality of predetermined use configurations.

IPC 8 full level

**B66F 15/00** (2006.01); **B66F 19/00** (2006.01)

CPC (source: EP)

**B66F 15/00** (2013.01); **B66F 19/005** (2013.01)

Citation (applicant)

- US 4365925 A 19821228 - GIRTZ SYLVESTER A
- FR 2427996 A1 19800104 - SERPOLLET ENTR J [FR]

Citation (search report)

- [A] US 7503743 B1 20090317 - FRIEDRICH PETER [US]
- [A] US 4653728 A 19870331 - MOCHIZUKI OTOHIKO [JP], et al

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4140937 A1 20230301**; **EP 4140937 B1 20240717**; IT 202100022436 A1 20230227

DOCDB simple family (application)

**EP 22191551 A 20220822**; IT 202100022436 A 20210827