

Title (en)
APPARATUS FOR OPERATING AND TRANSFERRING MANHOLE COVER

Publication
EP 0254752 B1 19901003 (EN)

Application
EP 86110341 A 19860726

Priority
EP 86110341 A 19860726

Abstract (en)
[origin: EP0254752A1] An apparatus for operating and transferring a manhole cover is disclosed which is capable of being applicable to a manhole cover formed with any through-hole type operating hole and preventing the disengagement of the manhole cover from the apparatus. The apparatus (30) includes a lever body (32) having a pair of operating arms(52, 52). The operating arms (52, 52) each have an eccentric hanging hook (36) pivotally mounted thereon and a press member (74) which is adapted to abutted against a manhole cover (20) to horizontally support it during the lifting operation. The hanging hook (36, 36) comprises a vertical support member (56, 56) pivotally mounted on the operating arm (52, 52) to be pivotally moved in the longitudinal direction of the apparatus (30) and a hanging member (58, 58) connected to the support member (56, 56) to inwardly extend therefrom in a manner to be deviated from a pivotal axis (54, 54) of the support member (56, 56) in the direction opposite to that of a point of force (40). The apparatus (30) has a manhole cover lifting position which is deviated toward the press member (74, 74) with respect to the gravity line of the manhole cover (20).

IPC 1-7
B66F 19/00

IPC 8 full level
B66F 19/00 (2006.01)

CPC (source: EP)
B66F 19/005 (2013.01)

Cited by
CN113428817A; CN105313927A; GB2467035B; NL1038155C2; EP2452913A1; FR2753440A1; GB2236299A; GB2236299B; GB2415729A; GB2415729B; WO9811006A1

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0254752 A1 19880203; EP 0254752 B1 19901003; DE 3674800 D1 19901108

DOCDB simple family (application)
EP 86110341 A 19860726; DE 3674800 T 19860726