

Title (en)
Lifter for repairing a vehicle

Title (de)
Hebeeinrichtung zur Fahrzeugreparatur

Title (fr)
Dispositif de levage pour réparer un véhicule

Publication
EP 1775251 A1 20070418 (EN)

Application
EP 05022482 A 20051014

Priority
EP 05022482 A 20051014

Abstract (en)
A lifter for repairing a vehicle has a base (1) having a supporting post (2), an upper arm (3) and a lower arm (4) pivotally attached to the supporting post (2), a jack (5) pivotally connected to the lower arm (4), and an L-shaped rack (6) pivotally attached to distal ends of the upper arm (3) and lower arm (4) and having a top plate (7) and a hook (8) mounted on the L-shaped rack (6). Wherein, the L-shaped rack (6) is adapted to combine a workpiece and enables to change orientations to make operation of the lifter versatile in supporting or hanging state. Additionally, a positioning plate (9) is pivotally attached to a joint of the upper arm (3) and the supporting post (2) and has a channel (911) with multiple dents (91). The lower arm (4) has a penetrating pin (51) received in the channel (911) to operationally engage with a corresponding one of the multiple dents (91) to provide a locking efficiency to keep the lifter stable during operation.

IPC 8 full level
B66C 23/48 (2006.01)

CPC (source: EP)
B66C 23/48 (2013.01)

Citation (search report)
• [X] US 6457700 B1 20021001 - HONG WEN-CHENG [TW]
• [X] US 3848749 A 19741119 - ANDERSON R, et al
• [A] GB 2034408 A 19800604 - RIGANTI L
• [A] US 6296239 B1 20011002 - SAWYER JOHN LISTER [GB]

Cited by
WO2012131119A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1775251 A1 20070418

DOCDB simple family (application)
EP 05022482 A 20051014