

Title (en)
Jacks.

Title (de)
Wagenheber.

Title (fr)
Crics.

Publication
EP 0295128 A1 19881214 (EN)

Application
EP 88305328 A 19880610

Priority
GB 8713735 A 19870612

Abstract (en)
A load-lifting jack has pairs of upper and lower arms (10, 6) connected by pivots (8, 9) and, respectively, pivotted on a head (14) and base (2) to provide a parallel linkage. Rotation of a lead screw (16) extending between the pivots (8, 9) raises or lowers the head (14) relative to the base (2). A crown gear (22) secured coaxially to the lead screw (16) meshes with a pinion (28) adapted for connection to a handle (34) whereby rotation of the pinion (28) by the handle (34) turns the screw (16) through the gear (22). The gear ratio provides a mechanical advantage for the gear (22). Preferably the axis of the pinion (28) is angled upwardly, outwardly relative to the axis of the lead screw (16).

IPC 1-7
B66F 3/12

IPC 8 full level
B66F 3/12 (2006.01)

CPC (source: EP)
B66F 3/12 (2013.01)

Citation (search report)
• [X] GB 2117348 A 19831012 - AN CHUAN WU, et al
• [X] US 1664579 A 19280403 - WICKLIFFE TWYMAN B
• [X] US 2071470 A 19370223 - MARLOWE HAROLD J
• [X] US 1609333 A 19261207 - VESELY STANLEY J
• [A] FR 997547 A 19520107 - CONSORTIUM D INV S NOUVELLES R

Cited by
EP0771757A3; CN104045020A; EP0620181A1; CN102672668A; GB2237779A; GB2237779B

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