

Title (en)

A motor vehicle lifting device, particularly for vehicle bodies.

Title (de)

Vorrichtung zum Heben von Kraftfahrzeugen, insbesondere von Fahrzeugkarosserien.

Title (fr)

Appareil de levage pour véhicule à moteur, en particulier pour carrosseries de véhicule.

Publication

EP 0378743 A1 19900725 (EN)

Application

EP 89109249 A 19890523

Priority

IT 8410589 A 19890118

Abstract (en)

A motor vehicle lifting device, particularly for vehicle bodies, characterised by comprising: - a base (1) in the form of a single longitudinal member to be rested on and/or secured to the floor (2), - a pair of uprights (3,4) articulately secured to said base (1) at their lower end and hinged together about a horizontal axis (9), the end of one (3) of said uprights being slidable along said base, - a vehicle support and securing frame (11) hinged to the upper end of at least one (3) of said uprights, - at least one first actuator (10) associated with said uprights (3,4) to vary the angle formed between them and thus raise said frame (11) above said base, and - at least one second actuator (14,15) associated with said frame (11) to vary its inclination to the horizontal plane in the longitudinal and/or transverse direction.

IPC 1-7

B66F 7/08; **B66F 7/22**

IPC 8 full level

B66F 7/08 (2006.01); **B66F 7/22** (2006.01)

CPC (source: EP)

B66F 7/0691 (2013.01); **B66F 7/08** (2013.01); **B66F 7/22** (2013.01)

Citation (search report)

- [X] EP 0240947 A1 19871014 - ROSSATO ERIDE
- [YD] EP 0224914 A1 19870610 - ROSSATO ERIDE
- [Y] DE 3807796 A1 19880922 - MENGHIN PETER [AT]
- [X] US 3844421 A 19741029 - NIELSEN E
- [A] US 3202243 A 19650824 - SEWARD EDGAR C
- [A] DE 3519820 A1 19861204 - FUHR FRED
- [A] FR 1155913 A 19580509
- [A] FR 1111799 A 19560305
- [A] WO 8706569 A1 19871105 - BRODMANN GEORGE L [US], et al

Cited by

GB2521920B; CN104831643A; IT201700055362A1; EP2479134A1; CN109383971A; GB2350348A; GB2350348B; WO2013055218A1; WO9626152A1; US6865802B2; US6962074B2

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