

Title (en)

Hydraulic toggle lever device.

Title (de)

Druckmittelbetätigbare Kniehebelspannvorrichtung.

Title (fr)

Dispositif à genouillère hydraulique.

Publication

EP 0433601 B1 19940608 (DE)

Application

EP 90120066 A 19901019

Priority

DE 3938208 A 19891117

Abstract (en)

[origin: EP0433601A2] The invention relates to a toggle lever device with a piston rod guided by a roller on one side and with a attached housing in which the toggle lever device is arranged in protected fashion. The toggle lever device is designed as a so-called substructure tension jack and needs only relatively few joints and connecting rod elements.

IPC 1-7

B23Q 3/06; B25B 5/12

IPC 8 full level

B25B 5/12 (2006.01)

CPC (source: EP)

B25B 5/122 (2013.01)

Cited by

CN108942030A; CN115502906A; EP0778107A1; DE9412722U1; CN108994128A; CN109227175A; CN110315371A

Designated contracting state (EPC)

ES FR IT

DOCDB simple family (publication)

DE 3938208 C1 19901122; EP 0433601 A2 19910626; EP 0433601 A3 19920226; EP 0433601 B1 19940608; ES 2055272 T3 19940816

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