

Title (en)

Toggle clamp

Title (de)

Kniehebelspannvorrichtung

Title (fr)

Dispositif de serrage à grenouillère

Publication

EP 0769353 B1 19990310 (DE)

Application

EP 96107559 A 19960511

Priority

DE 29516531 U 19951019

Abstract (en)

[origin: US5823519A] A toggle lever clamp for use in devices and welding machines in the motor vehicle industry, has a clamping head consists of two shell-shaped parts that combine to form a housing. This arrangement reduces the number of individual parts to a considerable degree and protects sensitive parts on all sides against dust, dirt, and water spray, as well as welding spatter, while permitting ease of movement of the clamps.

IPC 1-7

B25B 5/12

IPC 8 full level

B25B 5/12 (2006.01); **B25B 5/16** (2006.01)

CPC (source: EP US)

B25B 5/122 (2013.01 - EP US); **B25B 5/16** (2013.01 - EP US)

Cited by

DE102014107267A1; DE102014107267B4; CN106862845A; CN106392926A; DE202014102804U1; WO2015177291A1; US10688626B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

DE 29516531 U1 19951214; DE 59601413 D1 19990415; EP 0769353 A1 19970423; EP 0769353 B1 19990310; ES 2130715 T3 19990701; US 5823519 A 19981020

DOCDB simple family (application)

DE 29516531 U 19951019; DE 59601413 T 19960511; EP 96107559 A 19960511; ES 96107559 T 19960511; US 73464096 A 19961021