

Title (en)

Device for hinging and supporting a vehicle bonnet

Title (de)

Vorrichtung zum Halten und Anlenken einer Fahrzeugklappe

Title (fr)

Dispositif pour articuler et supporter un bonnet de véhicule

Publication

EP 2048308 A1 20090415 (EN)

Application

EP 07425634 A 20071011

Priority

EP 07425634 A 20071011

Abstract (en)

A device (1) for hinging and supporting a vehicle bonnet (2) has two brackets (4,15), which are fastened, respectively, to the bonnet (2) and to a body (3) of the vehicle and are pivotally connected directly to one another about an axis of rotation (19), to allow the bonnet (2) to pivot between a raised position and a lowered position; the device (1) has a toggle lever mechanism (23) able to move between a first operating position, in which it keeps the bonnet (2) raised, and a second operating position, corresponding to the lowered position of the bonnet (2); the toggle lever mechanism (23) consists of two levers (24,25) pivotally connected directly to one another about a hinge axis (29); the levers (24,25) are pivotally connected directly to the two brackets (4,15) and, during the movement between the first and second operating position, the toggle lever mechanism (23) moves past a dead center position.

IPC 8 full level

E05D 3/06 (2006.01); **E05D 11/10** (2006.01)

CPC (source: EP)

E05D 3/145 (2013.01); **E05D 11/1071** (2013.01); **E05Y 2900/531** (2013.01); **E05Y 2900/536** (2013.01)

Citation (applicant)

EP 1719865 A2 20061108 - VOLVO CONSTR EQUIP HOLDING SE [SE]

Citation (search report)

- [X] US 3815176 A 19740611 - PORTER C
- [X] DE 1090542 B 19601006 - FORD WERKE AG
- [A] DE 102005006916 A1 20060824 - EDSCHA AG [DE]

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2048308 A1 20090415; **EP 2048308 B1 20100512**; AT E467741 T1 20100515; DE 602007006503 D1 20100624

DOCDB simple family (application)

EP 07425634 A 20071011; AT 07425634 T 20071011; DE 602007006503 T 20071011