

Title (en)

Lever retainer for flat levers for doors of trucks, trailers or the like

Title (de)

Haltevorrichtung für flache Hebel eines Lastkraftwagens, eines Anhängers oder dergleichen

Title (fr)

Dispositif de retenue pour leviers plats de camions, de remorques, ou similaires

Publication

**EP 0893558 A2 19990127 (EN)**

Application

**EP 98112159 A 19980701**

Priority

IT BO970110 U 19970722

Abstract (en)

A lever retainer for flat levers for doors of trucks, trailers or the like comprises an elongated flat lever (2) having, at one end, a manual grip region (2a); in an intermediate region, a longitudinally elongated slot which is interrupted by a median bridge; and at the other end, a hook (7) which is open at the front and a transverse pin (9). The hook (7) and the pin (9) are coupleable by interlocking, respectively, with a transverse shaft (14) and with a pair of end notches of an elongated frame (3) on which two L-shaped elements (20,21) are mounted so that they are articulated and rotate in opposite directions about transverse axes. The L-shaped elements (20,21) have two first respective complementarily shaped pawl-like arms and two other respective arms provided with a front coupling tooth, each arm being configured so that the rotation of one arm produces the opposite rotation of the other so as to move the pawl-like arms so that they act from opposite directions for engagement or disengagement on the sides of the median bridge of the flat lever. <IMAGE>

IPC 1-7

**E05B 13/00**; **E05B 65/16**

IPC 8 full level

**E05B 65/16** (2006.01); **E05B 13/00** (2006.01)

CPC (source: EP)

**E05B 83/10** (2013.01); **E05B 13/002** (2013.01)

Cited by

DE102013103684A1; DE102012111146A1; EP1785561A1; EP1418299A3; EP1921236A3; FR2815661A1; EP1201854A1; EP2733288A3; EP1013855A3; EP2063052A1; DE102007056626A1; DE102006014811A1; EP1840304A3; EP1548215A3; NO337373B1; EP1460210A1; EP2775073A1; EP2789485A1; US9630036B2; US9814311B2; EP3112566A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0893558 A2 19990127**; **EP 0893558 A3 19990929**; **EP 0893558 B1 20030226**; AT E233358 T1 20030315; DE 69811572 D1 20030403; DE 69811572 T2 20030904; DK 0893558 T3 20030602; ES 2190557 T3 20030801; IT 238234 Y1 20001016; IT BO970110 U1 19990122; PT 893558 E 20030630

DOCDB simple family (application)

**EP 98112159 A 19980701**; AT 98112159 T 19980701; DE 69811572 T 19980701; DK 98112159 T 19980701; ES 98112159 T 19980701; IT BO970110 U 19970722; PT 98112159 T 19980701