

Title (en)

DEVICE FOR STRAIGHTENING THE BODY AND/OR STRUCTURES OF A DAMAGED MOTOR VEHICLE

Title (de)

VORRICHTUNG ZUM RICHTEN DER KAROSSERIE UND/ODER DIE STRUKTUREN UNFALLBESCHÄDIGTER KRAFTFAHRZEUGE

Title (fr)

DISPOSITIF POUR REDRESSER LA CARROSSERIE ET/OU LES STRUCTURES D'UN VEHICULE AUTOMOBILE ACCIDENTE

Publication

**EP 1324840 A1 20030709 (FR)**

Application

**EP 01978520 A 20011010**

Priority

- FR 0103119 W 20011010
- FR 0012975 A 20001011

Abstract (en)

[origin: US2004000185A1] The invention concerns a device for straightening the body and the structures of a damaged vehicle, comprising: a master cylinder (CE) filled with hydraulic fluid, wherein moves a master piston (PE) under the action of a rotary member actuated by a motor; a slave cylinder (CR), connected to the master cylinder through a flexible conduit (F) extending from said master cylinder, and designed to be connected by some means to the body or to the structure to be straightened, said slave cylinder receiving a slave piston (PR), driven in translation inside the slave cylinder under the action of the hydraulic fluid, so as to be urged to strike the neighbourhood of the end (FA) of said slave cylinder connected to the body or to the structure, by being subjected to a return force tending to bring it back to its initial position.

IPC 1-7

**B21D 1/14**; **B25D 9/12**

IPC 8 full level

**B21D 1/14** (2006.01); **B25D 9/12** (2006.01)

CPC (source: EP US)

**B21D 1/14** (2013.01 - EP US); **B25D 9/125** (2013.01 - EP US); **Y10S 72/705** (2013.01 - EP US)

Citation (search report)

See references of WO 0230588A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**US 2004000185 A1 20040101**; **US 6973816 B2 20051213**; AT E302073 T1 20050915; AU 1062702 A 20020422; DE 60112778 D1 20050922; DE 60112778 T2 20060518; EP 1324840 A1 20030709; EP 1324840 B1 20050817; ES 2247174 T3 20060301; FR 2815003 A1 20020412; FR 2815003 B1 20030131; WO 0230588 A1 20020418

DOCDB simple family (application)

**US 40981603 A 20030409**; AT 01978520 T 20011010; AU 1062702 A 20011010; DE 60112778 T 20011010; EP 01978520 A 20011010; ES 01978520 T 20011010; FR 0012975 A 20001011; FR 0103119 W 20011010