

Title (en)
EMERGENCY SYSTEM FOR OPENING MOTOR VEHICLE DOORS

Title (de)
SYSTEM ZUM NOTÖFFNEN VON KRAFTFAHRZEUGTÜREN

Title (fr)
SYSTEME D'OUVERTURE D'URGENCE DE PORTIERES DE VEHICULES AUTOMOBILES

Publication
EP 1549815 B1 20170405 (DE)

Application
EP 03710555 A 20030219

Priority

- PL 0300012 W 20030219
- PL 35654902 A 20021009

Abstract (en)
[origin: WO2004033833A1] Disclosed is an emergency system for opening motor vehicle doors, especially doors that remain mechanically jammed following an accident. Said emergency system comprises a pneumatic energy accumulator/pneumatic energy accumulators (1) which is/are used as (an) executing element(s) for opening the door(s). Said energy accumulator (1) is fed by a pyrotechnic shell (2) or pyrotechnic shells (2, 3) that is/are controlled by means of an electronic detonation control system (8). The signal for the first detonation of the pyrotechnic shell (2) is supplied to the system (8) by a set of sensors (5, 6, 7) while the signal for the second detonation of the pyrotechnic shell (3) is supplied by a pressure transducer (9). The energy accumulator (1) is reset by means of an electrovalve (10).

IPC 8 full level
E05F 15/00 (2015.01); **E05B 51/02** (2006.01); **E05B 77/02** (2014.01); **E05B 81/10** (2014.01); **F15B 15/19** (2006.01); **F42B 3/00** (2006.01); **E05F 15/04** (2006.01)

CPC (source: EP US)
E05B 51/023 (2013.01 - EP US); **F15B 15/19** (2013.01 - EP US); **F42B 3/006** (2013.01 - EP US); **E05Y 2201/422** (2013.01 - EP US); **E05Y 2201/448** (2013.01 - EP US); **E05Y 2800/252** (2013.01 - EP US); **E05Y 2900/50** (2013.01 - EP US); **E05Y 2900/538** (2013.01 - EP US); **Y10T 292/1075** (2015.04 - EP US)

Cited by
RU184362U1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 2004033833 A1 20040422; WO 2004033833 A8 20070907; AU 2003214733 A1 20040504; AU 2003214733 A8 20040504; EP 1549815 A1 20050706; EP 1549815 B1 20170405; EP 1549815 B8 20190123; ES 2631822 T3 20170905; PL 194447 B1 20070629; PL 356549 A1 20040419; US 2005240331 A1 20051027; US 7327232 B2 20080205

DOCDB simple family (application)
PL 0300012 W 20030219; AU 2003214733 A 20030219; EP 03710555 A 20030219; ES 03710555 T 20030219; PL 35654902 A 20021009; US 10224505 A 20050408