Title (en)

IMPACT ENERGY CONVERTING DEVICE, ESPECIALLY FOR BUMPERS IN AUTOMOTIVE VEHICLES

Title (de)

AUFPRALLENERGIEUMWANDLUNGSVORRICHTUNG, INSBESONDERE FÜR STOSSSTANGEN VON KRAFTFAHRZEUGEN

Title (fr)

DISPOSITIF DE CONVERSION D'ÉNERGIE D'IMPACT, EN PARTICULIER POUR PARE-CHOCS DANS DES VÉHICULES AUTOMOBILES

Publication

EP 2678190 A1 20140101 (EN)

Application

EP 11782487 A 20111024

Priority

- PL 39356111 A 20110104
- PL 2011050042 W 20111024

Abstract (en)

[origin: WO2012093945A1] A device has a ram element (1) engaged with at least one longitudinal rack (2) transferring impact energy to at least one kinetic energy rotary accumulator (13) converting 5 kinetic energy of progressive motion into kinetic energy of rotary motion. A solution is characterized by that at least one longitudinal rack (2) is engaged by at least one toothed wheel (7) with a crosswise rack (9) having its sliding direction inclined in relation to a sliding 10 direction of the longitudinal rack (2), wherein the crosswise rack (9) drives the kinetic energy rotary accumulator (13) by a transmission (12) increasing a rotation speed.

IPC 8 full level

B60R 19/26 (2006.01)

CPC (source: EP)

B60R 5/00 (2013.01); B60R 19/26 (2013.01)

Citation (search report)

See references of WO 2012093945A1

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DOCDB simple family (publication)

WO 2012093945 A1 20120712; EP 2678190 A1 20140101; PL 393561 A1 20120716

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