

Title (en)  
Pushing device

Title (de)  
Schubeinrichtung

Title (fr)  
Dispositif de poussée

Publication  
**EP 2527534 B1 20150902 (DE)**

Application  
**EP 11004264 A 20110524**

Priority  
EP 11004264 A 20110524

Abstract (en)  
[origin: EP2527534A1] The pushing device (1) has a pushing unit (3) that is movably held relative to the chassis by a cushioning spring absorber (7) which is movable from one position to another when the pushing unit is pressed towards the chassis in one direction. The spring absorber can be moved in a second direction from the second position back into the primary position to press the pushing unit in a secondary direction away from the chassis. The spring absorber has a larger spring rate during movement of the pushing unit in the primary direction than in the second direction.

IPC 8 full level  
**E01C 19/48** (2006.01); **B60D 3/00** (2006.01); **B60R 19/00** (2006.01); **B65G 69/00** (2006.01)

CPC (source: EP US)  
**E01C 19/48** (2013.01 - EP US); **E01C 2301/08** (2013.01 - EP US)

Citation (examination)  
• GB 1135608 A 19681204 - V E B ZENTRALE ENTWICKLUNG UND  
• EP 0068151 A2 19830105 - RINGFEDER GMBH [DE]

Cited by  
EP2837739A1; EP3431659A1; EP3690141A1; US9656525B2; US10029525B2; EP2930270A1; US9702427B2; US10822753B2; US10927512B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2527534 A1 20121128; EP 2527534 B1 20150902**; CN 102797213 A 20121128; CN 102797213 B 20151021; JP 2012241517 A 20121210; JP 5997502 B2 20160928; PL 2527534 T3 20160229; US 2012299270 A1 20121129; US 9145649 B2 20150929

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**EP 11004264 A 20110524**; CN 201210165643 A 20120524; JP 2012117159 A 20120523; PL 11004264 T 20110524;  
US 201213479553 A 20120524