

Title (en)  
IMPROVED LABORSAVING APPARATUS AND FURNITURE HAVING SAME

Title (de)  
ARBEITSSPARENDE VORRICHTUNG UND MÖBEL DAMIT

Title (fr)  
APPAREIL AMÉLIORÉ FACILITANT UNE TÂCHE ET MEUBLE COMPORTANT LEDIT APPAREIL

Publication  
**EP 3608492 A4 20200212 (EN)**

Application  
**EP 18803853 A 20180720**

Priority  
• CN 201820998750 U 20180626  
• CN 2018096426 W 20180720

Abstract (en)  
[origin: EP3608492A1] A labor-saving device includes a base (1), a connecting element (2) hinged to the base (1), a moving element (3) movably connected to connecting element (2), a fixed mechanism (4) rotatably connected to the moving element (3), a damping mechanism (5) connected to connecting element (2), and a buffer mechanism (10) installed to the base (1). The damping mechanism (5) is operated on the fixed mechanism (4) by the connecting element (2) and the moving element (3), and the buffer mechanism (10) is operated on the moving element (3) by the connecting element (2). The buffer mechanism (10) includes a buffer seat (101) installed at the base (1), a buffering part (102) installed at the buffer seat (101), and a buffer adjusting member (103) for adjusting the buffer force of the buffering part (102), and the buffering part (102) abuts the connecting element (2).

IPC 8 full level  
**E05D 5/02** (2006.01); **E05D 3/16** (2006.01); **E05D 5/00** (2006.01); **E05D 7/12** (2006.01); **E05D 15/40** (2006.01); **E05D 15/46** (2006.01); **E05F 1/10** (2006.01); **E05F 1/14** (2006.01); **E05F 5/00** (2017.01); **E05F 5/08** (2006.01)

CPC (source: EP)  
**E05D 3/16** (2013.01); **E05D 5/00** (2013.01); **E05D 7/123** (2013.01); **E05D 15/40** (2013.01); **E05D 15/46** (2013.01); **E05F 1/1041** (2013.01); **E05F 1/1058** (2013.01); **E05F 1/1075** (2013.01); **E05F 5/00** (2013.01); **E05F 5/08** (2013.01); **E05D 2003/163** (2013.01); **E05Y 2900/20** (2013.01)

Citation (search report)  
• [X] CN 105525819 B 20170718  
• [XY] CN 105041091 B 20170118  
• [X] CN 206429099 U 20170822 - WU ZHIYONG  
• [Y] CN 207453728 U 20180605 - DONGGUAN COOMO HOUSEHOLD GOODS MFG CO LTD  
• See references of WO 2020000537A1

Cited by  
EP4253705A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 3608492 A1 20200212**; **EP 3608492 A4 20200212**; CN 208441673 U 20190129; WO 2020000537 A1 20200102

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