

Title (en)  
SELF-BALANCING SLIDING WHEEL

Title (de)  
SELBSTAUSGLEICHENDES GLEITRAD

Title (fr)  
ROUE COUILLANTE À AUTO-ÉQUILIBRAGE

Publication  
**EP 3508673 A4 20190904 (EN)**

Application  
**EP 17845293 A 20170823**

Priority  

- CN 201610782794 A 20160831
- CN 201621011983 U 20160831
- CN 2017098635 W 20170823

Abstract (en)  
[origin: EP3508673A1] The present invention discloses a self-balancing pulley device, comprising a mounting block (1). A balancing sheet (2) is hinged by a hinge shaft (10) through the side face of the mounting block (1); the balancing sheet (2) is provided with pulleys (3) arranged on two sides of the hinge shaft (10). Such a self-balancing pulley device is simple in structure and convenient to install. The pulleys (3) on both sides can realize automatic balancing.

IPC 8 full level  
**E05D 13/00** (2006.01); **E05D 15/06** (2006.01)

CPC (source: EP)  
**E05D 15/063** (2013.01); **E05D 15/0639** (2013.01); **E05Y 2201/624** (2013.01); **E05Y 2201/64** (2013.01); **E05Y 2600/626** (2013.01)

Citation (search report)  

- [XY] US 1191334 A 19160718 - MYERS PHILIP A [US]
- [X] JP 5520628 B2 20140611
- [XY] DE 3049512 A1 19820708 - HOERMANN KG ANTRIEB STEUERTEC [DE]
- [Y] DE 4002487 A1 19910801 - GEZE GMBH & CO [DE]
- See also references of WO 2018040991A1

Cited by  
BE1028909B1; WO2022234396A1

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)  
BA ME

DOCDB simple family (publication)  
**EP 3508673 A1 20190710; EP 3508673 A4 20190904; EP 3508673 B1 20231101; EP 3508673 C0 20231101;** ES 2965946 T3 20240417;  
WO 2018040991 A1 20180308

DOCDB simple family (application)  
**EP 17845293 A 20170823;** CN 2017098635 W 20170823; ES 17845293 T 20170823