

Title (en)  
SELF-BALANCING SLIDING WHEEL

Title (de)  
SELBSTAUSGLEICHENDES GLEITRAD

Title (fr)  
ROUE COULISSANTE À AUTO-ÉQUILIBRAGE

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

Application  
**EP 17845293 A 20170823**

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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.

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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

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