

Title (en)

OPENING DEVICE USED IN SLIDING WINDOW AND SLIDING WINDOW

Title (de)

ÖFFNUNGSVORRICHTUNG FÜR SCHIEBEFENSTER UND SCHIEBEFENSTER

Title (fr)

DISPOSITIF D'OUVERTURE DESTINÉ À UNE FENÊTRE COULISSANTE ET FENÊTRE COULISSANTE

Publication

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Application

EP 17838336 A 20170317

Priority

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Abstract (en)

[origin: EP3498957A1] The present invention provides an opening device for a sliding window and a sliding window, where the opening device includes a base (3), a rotation shaft (4), a pulling cable (2), a locking mechanism, a lead screw (7), a screw nut (8), a guiding member, a first friction member (5), a second friction member (6), and an elastic member. The rotation shaft (4) is mounted on the base (3). The pulling cable (2) is wound on the rotation shaft (4). The locking mechanism is provided between the base (3) and the rotation shaft (4). The lead screw (7) rotates with the rotation shaft (4). The screw nut (8) engages with the lead screw (7). The guiding member is fixed on the base (3), and confining rotation of the screw nut (8). The first friction member (5) is sleeved on the lead screw (7), rotates with the lead screw (7), and moves along an axial direction of the lead screw (7). The second friction member (6) is fixedly mounted on the base (3), and is in frictional engagement with the first friction member (5). The elastic member is provided between the first friction member (5) and the screw nut (8). When the rotation shaft (4) rotates in a first direction, the pulling cable (2) is unwound from the rotation shaft (4), and the screw nut (8) rotates toward the second friction member (6) and presses the elastic member, so that a friction force between the first friction member (5) and the second friction member (6) may increase.

IPC 8 full level

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Citation (search report)

- [A] CN 204024296 U 20141217 - CHANGCHUN KUOER TECHNOLOGY CO LTD
- [A] CN 104328999 A 20150204 - YANCHENG INST TECHNOLOGY
- [A] GB 430457 A 19350619 - BRAUN KARL
- See references of WO 2018028203A1

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