

Title (en)

OPENING AND CLOSING DEVICE FOR LIFT-UP SLIDING DOORS AND WINDOWS

Title (de)

ÖFFNE- UND SCHLIESSVORRICHTUNG FÜR AUFWÄRTSSCHIEBETÜREN UND -FENSTER

Title (fr)

DISPOSITIF D'OUVERTURE/FERMETURE POUR PORTES ET FENETRES COULISSANTES A SYSTEME DE LEVAGE

Publication

**EP 1891292 B1 20140730 (EN)**

Application

**EP 06783742 A 20060825**

Priority

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- KR 20060058719 A 20060628

Abstract (en)

[origin: WO2007073027A1] An opening and closing device for lift-up sliding doors and windows is disclosed. The opening and closing device includes a roller unit (10), which removably contacts a rail (203b) of a support frame (203), a pane frame support unit (20), which is provided in a pane frame (205) and moves away from and approaches the roller unit, a handle (5), which is rotatably provided on a leading end of the pane frame, and a lift operating unit (7), which moves the pane frame support unit with respect to the roller unit. The lift operating unit (7) includes a lift operating bar (40), which is movably provided in the leading end of the pane frame and is coupled to the roller unit, and a lift operating gear unit (60). The lift operating gear unit has a drive gear (61), which is coupled to the handle, a driven gear (65), which increases the rotating force of the drive gear, and a rack gear (67), which engages with the driven gear.

IPC 8 full level

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CPC (source: EP)

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