

Title (en)

CLEANING DEVICE FOR THE WINGS OF SLIDING WINDOWS OR DOORS

Title (de)

REINIGUNGSVORRICHTUNG FÜR DIE FLÜGEL VON SCHIEBEFENSTERN ODER -TÜREN

Title (fr)

DISPOSITIF DE NETTOYAGE POUR BATTANTS DE PORTES OU DE FENETRES COULISSANTES

Publication

EP 1112015 B1 20021211 (DE)

Application

EP 99944149 A 19990908

Priority

- AT 9900218 W 19990908
- AT 153398 A 19980910

Abstract (en)

[origin: WO0015092A1] Cleaning device for the wings (1, 2) of sliding windows or doors having front faces that overlap in closing position and frame profiles (4, 7, 8, 11; 4', 7', 8', 11') framing a glass (3, 3'), wherein at least the outer wing (1) is embodied as a sliding wing displaceable in a story frame (5) whose front frame profile (4) faces the inner wing (2). A stationary cleaning strip (18, 26) facing the outer sliding wing (1) is disposed on the story frame (5) on the outer side of the outer sliding wing (1) in the vicinity of its front face when placed in closing position, wherein at least one wiper strip (19, 20) is also provided whose length corresponds with the height of the glass (3; 3') of the relevant wing (2, 1), in addition to a cleaning liquid line (24) attached to a supply line (27, 28). Each cleaning liquid line (24) is connected to a pump (29) mounted in the story frame (5) by a supply line (27, 28) extending inside the story frame (5) and has spray holes (25) distributed along the strip (18, 26) in correspondence with the height of the glass (3, 3'). The supply line (27) connected to the cleaning trip (18) on the outer sliding wing (1) is formed by a flexible tube with an additional length (30) located in the story frame (5).

IPC 1-7

A47L 1/02

IPC 8 full level

E06B 7/28 (2006.01); **A47L 1/02** (2006.01)

CPC (source: EP US)

A47L 1/02 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0015092 A1 20000323; AT 406730 B 20000825; AT A153398 A 20000115; AT E229297 T1 20021215; AU 5719699 A 20000403; AU 752040 B2 20020905; CA 2343643 A1 20000323; CA 2343643 C 20071120; DE 59903776 D1 20030123; EP 1112015 A1 20010704; EP 1112015 B1 20021211; ES 2189474 T3 20030701; JP 2002524175 A 20020806; PL 189959 B1 20051031; PL 346526 A1 20020211; US 6615439 B1 20030909

DOCDB simple family (application)

AT 9900218 W 19990908; AT 153398 A 19980910; AT 99944149 T 19990908; AU 5719699 A 19990908; CA 2343643 A 19990908; DE 59903776 T 19990908; EP 99944149 A 19990908; ES 99944149 T 19990908; JP 2000569682 A 19990908; PL 34652699 A 19990908; US 78677301 A 20010625