

Title (en)

Insulation glass unit with integrated, power driven sunshield- or darkening blind

Title (de)

Isolierglasscheibe mit integrierter, motorisch angetriebener Sonnenschutz- oder Verdunkelungsblende

Title (fr)

Vitrage isolant avec un volet d'occultation ou pare-soleil intégré actionné par moteur

Publication

EP 1273754 B1 20050511 (DE)

Application

EP 02014710 A 20020703

Priority

- DE 20110958 U 20010703
- DE 20111620 U 20010712

Abstract (en)

[origin: EP1273754A1] Insulating glass unit having an integrated motor-driven sun protection or shading blind and a blind mechanism arranged in the hermetically sealed space between the panes comprises toothed belts (8a, 8b) or similar tension organs arranged in the region of the two side edges of the space between the panes and guided at the top and the bottom via toothed disks (9), and a connecting rod (5) connected at both ends to the two toothed belts and connected to the free end of the blind (3). At least one of the toothed belts (8a) is driven by a miniature electric motor (13) arranged in the upper or lower edge region of the space between the panes. The two belts are synchronized via a rigid shaft connection (10). The blind is designed as shutters and its other end is connected to a support element (4) fixed in the upper or lower edge region of the space between the panes. Preferred Features: The blind is guided by a number of tension wires (6) running between the support element and a second support element (7) arranged in the opposite edge region.

IPC 1-7

E06B 9/262; **E06B 9/264**

IPC 8 full level

E06B 9/262 (2006.01); **E06B 9/264** (2006.01)

CPC (source: EP)

E06B 9/264 (2013.01)

Cited by

DE102009009504B3; CN103062839A; US7690414B2; FR2943714A1; WO2005111362A1; WO2007043065A1; EP4368807A1; DE102022129357A1; EP4365403A2; DE102022129358A1; EP4365404A2; DE102022129359A1; EP4365405A2; DE102022129360A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1273754 A1 20030108; **EP 1273754 B1 20050511**; AT E295465 T1 20050515; DE 20209724 U1 20021114; DE 50203053 D1 20050616; DK 1273754 T3 20050905; ES 2242804 T3 20051116; PT 1273754 E 20050930

DOCDB simple family (application)

EP 02014710 A 20020703; AT 02014710 T 20020703; DE 20209724 U 20020622; DE 50203053 T 20020703; DK 02014710 T 20020703; ES 02014710 T 20020703; PT 02014710 T 20020703