

Title (en)

WORM GEAR FOR ANGLE ADJUSTMENT OF VERTICAL LAMELLAR BLINDS

Publication

EP 0352410 A3 19910724 (DE)

Application

EP 89107580 A 19890426

Priority

DE 3825978 A 19880729

Abstract (en)

[origin: EP0352410A2] A worm gear for angle adjustment of vertical lamellar blinds having a vertical axis, which is arranged inside a lamellae carrier housing (10), carries a pinion connected thereto in a rotationally secure fashion, and is connected at the end side to a lamella, a worm that can be rotated by a drive shaft via an internal profile being in driving engagement with the pinion, is characterised by a worm (23) having an axial central opening, which is held by means of a snap-fit bush (25) in conjunction with substantially simplified installation and reduced overall depth of the lamellae carrier housing (10) on a projection (22) of the lamellae carrier housing (10) shaped like a pipe stub. The worm (23) is provided with an internal serration (31), which engages with cams (30) arranged on the outer circumference of the snap-fit bush (25) and thus forms a slip clutch, which due to the restricted torque transition allows the worm to be overwound without damage. <IMAGE>

IPC 1-7

E06B 9/36

IPC 8 full level

E06B 9/36 (2006.01)

CPC (source: EP US)

E06B 9/364 (2013.01 - EP US); **Y10S 160/90** (2013.01 - EP US)

Citation (search report)

- [E] DE 3825959 A1 19900208 - STOEVER ADOLF BAUTEX KG [DE]
- [A] EP 0120567 A2 19841003 - HUNTER DOUGLAS IND BV [NL]
- [A] US 4316493 A 19820223 - ARENA JOSEPH P
- [A] AU 556227 B3 19861113 - KRESTA BLINDS LTD

Designated contracting state (EPC)

BE ES FR GB IT LU NL

DOCDB simple family (publication)

EP 0352410 A2 19900131; **EP 0352410 A3 19910724**; **EP 0352410 B1 19930217**; CA 1316096 C 19930413; DE 3825978 A1 19900201; ES 2039739 T3 19931001; US 5067544 A 19911126

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