

Title (en)

Two-speed reduction mechanism to operate adjustable light access closing devices of the kind of lamellar blinds with tiltable slats, and the like.

Title (de)

Getriebemechanismus mit zwei Gängen für die Betätigung von Schliessvorrichtungen mit regelbarer Belichtung, in der Art einer Jalousie mit schwenkbaren Lamellen, und dergleichen.

Title (fr)

Mécanisme réducteur à deux vitesses pour la commande des dispositifs de fermeture à luminosité réglable, du genre des stores à lames orientables et similaires.

Publication

EP 0293307 A1 19881130 (FR)

Application

EP 88420131 A 19880422

Priority

FR 8706049 A 19870424

Abstract (en)

[origin: JPS6452991A] PURPOSE: To automatically give two rotating speeds to a drum by providing an input planetary wheel to be meshed with at least one satellite wheel in a speed reducing mechanism placed between an output member and a drum for winding an apron. CONSTITUTION: There is the teeth part 4b of a rotary shaft 4 forming the inputting member of the speed reducing mechanism inside of a casing 1 and satellite wheel 5 can freely be rotated on a spindle 6 projected from a plate 7. The plate 7 is fixed to the front face of an output ring 9 with a screw 8 and the ring 9 is fitted into the axial hole of a rotary bushing 10. In the case when the bushing 10 can freely rotate inside of the casing 1 while the shaft 4 is rotate-driven, the wheel 5 does not revolve but rotates to make a 1:1 gear ratio. When the bushing 10 is prevented from rotating, the wheel 5 is forced to rotate at the same time of revolving to introduce a speed reducing ratio in the relation with the ring 9.

Abstract (fr)

Lorsque la couronne dentée (10) tourne avec la bague de sortie (9), le système planétaire-satellites (4b-5) assure la transmission sans réduction pour le déplacement vertical des lames du store, tandis que lorsqu'elle est immobilisée par le dispositif de freinage (11-12), ledit système introduit automatiquement une forte réduction qui permet le réglage très précis de l'orientation desdites lames.

IPC 1-7

E06B 9/322; **E06B 9/36**

IPC 8 full level

E06B 9/322 (2006.01); **E06B 9/36** (2006.01); **E06B 9/68** (2006.01); **E06B 9/80** (2006.01); **F16H 1/28** (2006.01)

CPC (source: EP US)

E06B 9/322 (2013.01 - EP US); **E06B 9/361** (2013.01 - EP US)

Citation (search report)

- [A] FR 2217519 A1 19740906 - SCHENKER STOREN MASCHF [CH]
- [A] FR 2296752 A1 19760730 - GROSS HANS [DE]
- [A] DE 2161117 A1 19730614 - MARDER HERBERT
- [A] FR 2286270 A1 19760423 - FRANCIAFLEX [FR]

Cited by

CN103169430A; AU607379B2

Designated contracting state (EPC)

AT BE CH DE ES GB IT LI LU NL SE

DOCDB simple family (publication)

FR 2614359 A1 19881028; **FR 2614359 B1 19890721**; EP 0293307 A1 19881130; JP 2542234 B2 19961009; JP S6452991 A 19890301; US 4848433 A 19890718

DOCDB simple family (application)

FR 8706049 A 19870424; EP 88420131 A 19880422; JP 9803988 A 19880420; US 18088888 A 19880413