

Title (en)
Device for driving a roller of a roller shutter

Title (de)
Vorrichtung zum Antrieb einer Wickelwelle eines Rolladens

Title (fr)
Dispositif d'entraînement pour tablier de volet roulant

Publication
EP 1637693 A1 20060322 (FR)

Application
EP 05300753 A 20050916

Priority
FR 0452120 A 20040921

Abstract (en)
The device has a rolling tube (5) around which a shutter in folded position is rolled and an unrolling axle (8) to control unrolling of the shutter. A transmission unit has a reducer (11) to retransmit a variable speed with the help of an unrolling axle driving unit to the tube. The variable speed is compensated by relative rotation of a planetary support by driving a torsion spring (21) that is then loaded with torsion. An independent claim is also included for a roller blind for skylight, or veranda, including a shutter.

IPC 8 full level
E06B 9/17 (2006.01); **E06B 9/68** (2006.01)

CPC (source: EP)
E06B 9/17 (2013.01)

Citation (search report)

- [Y] GB 2172327 A 19860917 - BOLTON BRADY LTD
- [Y] EP 0692605 A1 19960117 - ZURFLUH FELLER SA [FR]
- [A] US 5547009 A 19960820 - PLUMER LOUIS [FR]
- [A] EP 0505052 A2 19920923 - M & I DOOR SYSTEMS [CA]
- [A] EP 0889193 A1 19990107 - ZURLFUH FELLER [FR]

Cited by
US9663987B2; WO2016118219A1; WO2021146278A1; TWI789313B

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
EP 1637693 A1 20060322; EP 1637693 B1 20120404; ES 2384797 T3 20120712; FR 2875531 A1 20060324; FR 2875531 B1 20061208

DOCDB simple family (application)
EP 05300753 A 20050916; ES 05300753 T 20050916; FR 0452120 A 20040921