

Title (en)

Drive unit for objects to be wound on to and off a tube

Title (de)

Antriebseinheit für Gegenstände, die auf ein Rohr auf- und abgewickelt werden

Title (fr)

Unité d'entraînement pour objets enroulés sur ou déroulés d'un tube

Publication

EP 1752606 A1 20070214 (EN)

Application

EP 05291705 A 20050809

Priority

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Abstract (en)

The invention relates to a drive unit for objects to be wound on to and off a tube, like sun blinds, roller shutters or cinema screens, including a combination of a shaft Sh, a brake Br, a motor Mo, and a gear Ge, the combination being insertable into the tube for on the one hand drive the tube and on the other hand being driven by hand together with the tube as a movable part, in case of need, to which end the brake and the motor are connected to a fixed part via collector rings CR1, CR2, where an incremental encoder Mg, HA, HB is used including an active sensor HA, HB and a passive counterpart Mg thereof, and where the sensor HA, HB is attached to the fixed part and the counterpart Mg is attached to the moving part.

IPC 8 full level

E06B 9/74 (2006.01); **E06B 9/72** (2006.01)

CPC (source: EP)

E06B 9/72 (2013.01); **E06B 9/74** (2013.01)

Citation (search report)

- [Y] DE 29818023 U1 19981224 - SELVE ERNST GMBH CO KG [DE]
- [Y] DE 10038285 A1 20020214 - VALEO AUTO ELECTRIC GMBH [DE]
- [Y] EP 0965724 A1 19991222 - DEPRAT JEAN SA [FR]
- [A] DE 3504489 A1 19860814 - HUBER LOTHAR, et al
- [A] US 5711360 A 19980127 - VIOTTE CHRISTOPHE [FR]

Cited by

CN109600092A; CN102869847A; EP2539529A4; EP2063336A3; US9745797B2; US9611690B2; WO2011106398A1; US9725948B2; US9725952B2

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