

Title (en)
LOW NOISE RETRACTION DEVICE

Title (de)
GERÄUSCHARME EINZUGSVORRICHTUNG

Title (fr)
DISPOSITIF DE RETRACTION SILENCIEUX

Publication
EP 3070247 B1 20190807 (DE)

Application
EP 16000620 A 20160316

Priority
DE 102015003424 A 20150317

Abstract (en)
[origin: CN105986726A] The invention relates to a low-noise retraction device and a sliding door assembly provided with the retraction device. The retraction device comprises a carrier element capable of moving from a parking position locked by force fitting and/or shape fitting to a final position and moving back and a drive element connected to the carrier element. The connected drive element has a backstop tenon facing the final position and provided with a drive surface. The carrier element comprises a slide tenon which is far from the parking position, can be in contact with the backstop tenon and is provided with a slide surface. The drive element comprises at least a boundary layer comprising the drive surface and at the drive element side. The slide tenon comprises at least a boundary layer comprising the slide surface and at the carrier element side. The thicknesses of the two boundary layers are at least 1.5 mm. The average values of elasticity moduli of the boundary layers at room temperature range from 700 Newton per square millimeter to 1600 Newton per square millimeter. The low-noise retraction device is improved.

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Citation (examination)

- EP 2317056 A1 20110504 - NIFCO INC [JP]
- DE 102010036468 A1 20120119 - HETTICH PAUL GMBH & CO KG [DE]

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