

Title (en)

Rotation operation part and electronic device

Title (de)

Rotationsbetriebsteil und elektronische Vorrichtung

Title (fr)

Partie de fonctionnement de rotation et dispositif électronique

Publication

EP 2672493 A3 20150624 (EN)

Application

EP 13170991 A 20130607

Priority

JP 2012130142 A 20120607

Abstract (en)

[origin: EP2672493A2] The present invention provides a rotation operation part which is capable of absorbing shaft misalignment by a sufficient deformation force even when the shaft misalignment from a rotation type electronic part is generated in any direction. A rotation operation part formed by integrally molding an operation portion having a screw hole, a base portion, and a shaft portion which connects both the portions from elastic resin is manufactured, and the base portion is fixed to a rotation type electronic part. The shaft portion includes a spiral spring wound around a rotation shaft thereof, and shaft misalignment from the rotation type electronic part is absorbed by deformation of the spiral spring.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] FR 2771825 A1 19990604 - CROUZET AUTOMATISMES [FR]
- [A] EP 1965400 A1 20080903 - SCHNEIDER ELECTRIC IND SAS [FR]
- [AD] JP H0567505 A 19930319 - FUJI ELECTRIC CO LTD

Cited by

CN104733205A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 2672493 A2 20131211; **EP 2672493 A3 20150624**; **EP 2672493 B1 20160907**; CN 103489552 A 20140101; CN 103489552 B 20160309; JP 2013254872 A 20131219; JP 5895722 B2 20160330

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