

Title (en)

A THERMALLY RESPONSIVE ACTUATOR

Publication

**EP 0272037 A3 19890322 (EN)**

Application

**EP 87310789 A 19871209**

Priority

- JP 1340687 A 19870123
- JP 11358387 A 19870512
- JP 29724786 A 19861213

Abstract (en)

[origin: EP0272037A2] A thermally responsive actuator comprises a barrel (2) which is disposed in an atmosphere in which temperature changes take place. There is a slidable piston (6) within the barrel (2), and a thermally expansive material (6) sealed in the barrel (2), which causes the piston (6) to slide by thermal expansion and thermal contraction due to temperature changes. An extension rod (8) is secured to the piston (6) which slides together with the piston (6). Spring means (10) between relative slide members within the barrel (2) act to cancel the starting frictional force created on the sliding faces.

IPC 1-7

**G05D 23/12; E05F 15/20; F24F 11/053**

IPC 8 full level

**A62C 2/24** (2006.01)

CPC (source: EP)

**A62C 2/248** (2013.01)

Citation (search report)

- [X] FR 1194861 A 19591113 - A & N CONTRACTORS LTD
- [X] DE 2437456 A1 19760212 - LICENTIA GMBH
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- [A] GB 191327449 A - MAX ARNDT [DE]

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KR101441965B1; CN102384053A

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**EP 0272037 A2 19880622; EP 0272037 A3 19890322**; AU 8218487 A 19880616; CN 87107395 A 19880706

DOCDB simple family (application)

**EP 87310789 A 19871209**; AU 8218487 A 19871207; CN 87107395 A 19871212