

Title (en)

Linear pneumatic actuator with a reversible-action locking device.

Title (de)

Lineares pneumatisches Stellorgan mit einer umorientierbaren Verriegelungseinrichtung.

Title (fr)

Dispositif linéaire de manoeuvre pneumatique avec un mécanisme de blocage réversible.

Publication

EP 0648942 A1 19950419 (EN)

Application

EP 94115580 A 19941004

Priority

IT MI932123 A 19931006

Abstract (en)

A linear pneumatic actuator with a reversible-action locking device for presetting of the actuator with an active or passive brake. The actuator comprises a piston (13) which may reciprocate inside a cylinder (10); the linear movement of the piston (13) causes rotation of a threaded shaft (20) connected to a signal generator (25) which continually supplies the relative position of the piston (13). A locking device comprises two interconnected piston members (34, 36) which can be pneumatically actuated in opposite directions and ducts (46, 47) supplying pressurised air which can be selected during assembly so as to activate the locking device as an active brake or passive brake, respectively, in order to block the actuator piston (13). <IMAGE>

IPC 1-7

F15B 15/26

IPC 8 full level

F15B 15/26 (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP)

F15B 15/264 (2013.01); **F15B 2015/1495** (2013.01)

Citation (search report)

- [DAXD] EP 0469253 A1 19920205 - UNIVER SPA [IT]
- [DA] GB 2154282 A 19850904 - H C H MANUFACTURING LTD
- [A] GB 2009850 A 19790620 - SCHWEIZERISCHE LOKOMOTIV
- [A] US 4932311 A 19900612 - MIBU KAZUO [JP], et al

Cited by

US7836813B2; EP1777432A1; CN108533563A; CN107592838A; US2018134021A1; DE20011789U1; EP1170512A1; US2017151767A1; CN106808778A; WO2013124213A1

Designated contracting state (EPC)

AT CH DE ES FR GB LI NL SE

DOCDB simple family (publication)

EP 0648942 A1 19950419; **EP 0648942 B1 19980722**; AT E168744 T1 19980815; DE 69411843 D1 19980827; DE 69411843 T2 19981210; ES 2119039 T3 19981001; IT 1271509 B 19970530; IT MI932123 A0 19931006; IT MI932123 A1 19950406

DOCDB simple family (application)

EP 94115580 A 19941004; AT 94115580 T 19941004; DE 69411843 T 19941004; ES 94115580 T 19941004; IT MI932123 A 19931006