

Title (en)
Actuating device

Title (de)
Betätigungsvorrichtung

Title (fr)
Dispositif de commande

Publication
EP 0961192 A3 20040421 (DE)

Application
EP 99110209 A 19990526

Priority
• DE 19823949 A 19980528
• DE 19827441 A 19980619
• DE 19832306 A 19980717

Abstract (en)
[origin: EP0961192A2] The operating device has an operating shaft (15) which is rotatable in both directions, cooperating with the control rod (16) via a threaded coupling, so that the control rod is moved axially in the direction of one switch position upon rotation in one direction and moved axially in the direction of the other switch position by rotation in the other direction. The operating shaft may be rotated by an electric motor (13).

IPC 1-7
G05G 9/10; F15B 15/18; F16H 25/20

IPC 8 full level
F15B 13/04 (2006.01); **F15B 13/044** (2006.01); **F15B 15/18** (2006.01)

CPC (source: EP)
F15B 13/0405 (2013.01); **F15B 13/0444** (2013.01); **F15B 15/18** (2013.01)

Citation (search report)
• [XA] EP 0237740 A1 19870923 - KOPPEN DETLEF
• [XA] EP 0074922 A2 19830323 - SIG SCHWEIZ INDUSTRIEGES [CH]
• [XA] FR 2119724 A5 19720804 - FUJITSU LTD
• [X] US 4509379 A 19850409 - WESTMORELAND JULIUS C [US]
• [XA] GB 1103616 A 19680221 - GOODMAN ROBERT
• [X] DE 687918 C 19400208 - THEODOR WEDDE
• [XA] EP 0248303 A1 19871209 - SOMFY [FR]
• [XA] US 4712440 A 19871215 - ROUSSELOT ANDRE [FR]
• [X] EP 0235451 A1 19870909 - FUJIKURA RUBBER LTD [JP]
• [X] FR 1249404 A 19601230 - RECH ETUDES PRODUCTION SARL
• [A] DE 4215972 A1 19921119 - NITTO KOHKI CO [JP]
• [A] US 2679727 A 19540601 - MCLEOD STEWART B
• [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 152 (E - 1340) 25 March 1993 (1993-03-25)

Cited by
CN103267162A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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