

Title (en)
MANUAL CONTROL APPLIANCE WITH A CONTROL LEVER

Title (de)
HANDSTEUERGERÄT MIT EINEM STEUERKNÜPPEL

Title (fr)
APPAREIL MANUEL DE COMMANDE A LEVIER DE COMMANDE

Publication
EP 0686277 A1 19951213 (DE)

Application
EP 94908260 A 19940217

Priority
• DE 9400196 W 19940217
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Abstract (en)
[origin: US5680797A] PCT No. PCT/DE94/00196 Sec. 371 Date Dec. 14, 1995 Sec. 102(e) Date Dec. 14, 1995 PCT Filed Feb. 17, 1994 PCT Pub. No. WO94/20894 PCT Pub. Date Sep. 15, 1994A manual control appliance with includes a control lever mounted in a bearing for pivotal movement about a fixed point, converter devices coupled to the lever for converting deflections of the lever with respect to two orthogonal axes into electrical output signals proportional to the deflection of the lever with respect to each of the axes, and a preshaped part having a surface in the form of a spherical section and provided with a plurality of detent grooves which cooperate with a slider at a lower end of the lever. The slider cooperates with the detent grooves in such a manner as to transmit to a user a tactily perceivable sensation each time said lower tip moves across a detent groove in order to provide tactile information about stepped portions of said control lever without affecting operation of said converter means and without limiting pivotal movement of said control lever.

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G05G 9/047; **H01H 25/04**; **B66C 13/56**; **G05G 5/06**

IPC 8 full level
B66C 13/56 (2006.01); **G05G 5/06** (2006.01); **G05G 9/047** (2006.01); **H01H 25/04** (2006.01)

CPC (source: EP US)
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GB2623024A; WO2023002462A1

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US 5680797 A 19971028; AT E151182 T1 19970415; AU 6153994 A 19940926; AU 685430 B2 19980122; DE 4306577 C1 19940519; DE 4306577 C2 19980212; DE 59402309 D1 19970507; EP 0686277 A1 19951213; EP 0686277 B1 19970402; WO 9420894 A1 19940915

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