

Title (en)

A CONTROL PANEL FOR THE AUTOMATIC AND MANUAL ACTUATION OF A WINDOW WINDER, PARTICULARLY DESIGNED TO BE MOUNTED ON MOTOR VEHICLES

Publication

**EP 0222708 A3 19890524 (EN)**

Application

**EP 86830268 A 19861001**

Priority

IT 2331985 U 19851003

Abstract (en)

[origin: EP0222708A2] The invention consists in a control panel for the automatic and manual control of a window winder, particularly for motor vehicles, comprising a box-like body closed internally by a rigid printed circuit, and supporting at least one push button for actuating a manual movable contact and an automatic movable contact. The push button can slide against the action of a first elastic element to carry the manual movable contact into contact with the printed circuit, and against a second elastic element, with a greater elastic constant than the first elastic element, to carry the automatic movable contact into contact with the printed circuit.

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IPC 8 full level

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Citation (search report)

- [Y] DE 3300186 A1 19831103 - GFELLER AG [CH]
- [Y] FR 2428315 A1 19800104 - NISSAN MOTOR [JP]
- [Y] US 4200778 A 19800429 - BOVIO MICHELE [IT], et al
- [Y] GB 1187468 A 19700408 - ERICSSON TELEPHONES LTD
- [A] DE 8320838 U1 19831117
- [A] DE 8400256 U1 19840705

Cited by

DE102007021724B3; EP1727173A1; GB2241383B; AU627396B2; GB2241383A; US7385530B2; US8963744B2

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