

Title (en)
CONTROL SWITCH FOR A VACUUM CLEANER MOTOR FAN

Publication
EP 0299322 B1 19921104 (DE)

Application
EP 88110661 A 19880704

Priority
DE 3723567 A 19870716

Abstract (en)
[origin: EP0299322A2] The control switch is designed in such a way that, by actuating a switch member, the rotational speed of the fan motor can be increased temporarily beyond the rotational speed corresponding to the permissible long-term capacity. It is ensured by a blocking mechanism that repeated increase in the rotational speed is only possible in each case after a predetermined recovery time. The control switch can be executed with few and simple components if the control signal of a hand-operated switch member (27) is fed directly to a timer (9) and further to the setting inputs (S) of two flip-flop members (10 and 11). In this control switch, the first output (22) of the timer (9) is connected to the resetting input (R) of the first flip-flop member (10). A switch element (19), which bridges the potentiometer connected directly to the control input of a semi-conductor switch element (15) arranged in the current circuit of the fan motor, is controlled by the output signal which appears on the non-inverting output (Q) of the first flip-flop member (10). The second output (23) of the timer (9) is connected to the resetting input (R) of the second flip-flop member (11). Connected between its inverting output (Q) and the control circuit (26) guiding the control signal of the switch member (27) is a blocking diode (29) which is directed with its passage direction towards the inverting output (Q). <IMAGE>

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IPC 8 full level
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CPC (source: EP)
A47L 9/2842 (2013.01); **A47L 9/2857** (2013.01); **A47L 9/2894** (2013.01)

Cited by
EP0438827A1; EP0506187A1; GB2237185A; GB2291791A; EP0370610A1; GB2225219A; GB2225219B; WO9009138A1; WO9527432A1

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