

Title (en)

Circuit for controlling the suction capacity of a vacuum cleaner

Title (de)

Schaltungsanordnung zur Saugleistungsregelung eines Staubsaugers

Title (fr)

Circuit pour régler la puissance d'aspiration d'un aspirateur de poussière

Publication

EP 0678271 B1 20001018 (DE)

Application

EP 95105303 A 19950407

Priority

DE 4413976 A 19940421

Abstract (en)

[origin: EP0678271A2] The suction regulation uses a controlled semiconductor switch (2), in series with the vacuum cleaner fan motor (1) and an associated control circuit, containing a comparator (28) for comparing an adjustable control signal and periodically varying signal, to provide the control pulses for the semiconductor switch. The control signal for the control circuit is manually adjusted to a required value and/or is switched between 2 different values via a pressure switch (40), the comparator receiving the control signal pref provided by an operational amplifier, receiving a sawtooth voltage synchronised with the supply voltage for the fan motor at its second input. <IMAGE>

IPC 1-7

A47L 9/28

IPC 8 full level

A47L 9/28 (2006.01)

CPC (source: EP)

A47L 9/2842 (2013.01); **A47L 9/2857** (2013.01)

Cited by

WO2009103585A1; EP1076409A3; DE102008010068B4; DE102011006539A1; DE102011006539B4; DE102006009233A1; DE102006009233B4; DE102008010068A1; EP1076409A2; WO2007098979A1; DE202008002310U1

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