

Title (en)

DEVICE FOR REMOTE CONTROL OF A VACUUM CLEANER BLOWING MOTOR FROM THE HANDLE OF THE SUCTION HOSE

Publication

EP 0285801 B1 19910327 (DE)

Application

EP 88103022 A 19880229

Priority

DE 3707834 A 19870311

Abstract (en)

[origin: EP0285801A1] In known devices of this type, only the power of the blowing motor can be controlled. The intention of the new arrangement is also to allow an indication of a necessary filter change whilst maintaining a twin-core control line embedded in the suction hose. For this purpose, an adjustable resistance element (8) with a light diode (9) is switched in series on the handle (1) of the suction hose (2). By periodic short-circuiting of this series circuit, voltage pulses are produced which are converted by means of a peak value rectifier (17) into a continuous direct voltage, by means of which the pulse length of the control pulses generated by a comparator (23) is determined. The power stage of the blowing motor (5) is controlled by the control pulses of the comparator (23). By means of a pressure switch, which is actuated at a certain degree of filling of the filter bag, the periodic short-circuiting of the series circuit of the resistance element (8) and the light diode (9) is interrupted. Illumination of the light diode (9) is effected by the now continuously present voltage. <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); **A47L 9/2894** (2013.01)

Cited by

FR2686721A1; CN1050472C; EP0375327A1; US5023973A; US5507067A; US5515572A; US5542146A; WO9009139A1; WO9625788A1

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