

Publication

EP 0930043 A3 19990728

Application

EP 99100714 A 19990115

Priority

DE 19801465 A 19980116

Abstract (en)

[origin: EP0930043A2] The vacuum cleaner has at least one operating element (1) provided at the vacuum cleaner housing (4) and a light indicator which signals a determined operating condition. At least one light wave conductor (26) is integrated in the operating element. One end of which is led out at the surface (27) of the operating element. One end of which is led out at the surface (27) of the operating element and the other end of which is positioned inside the vacuum cleaner housing (4) at a light source (24), at a place (25) lying opposite from the body of the operating element.

IPC 1-7

A47L 9/28

IPC 8 full level

A47L 9/19 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP)

A47L 9/19 (2013.01); **A47L 9/2842** (2013.01); **A47L 9/2857** (2013.01)

Citation (search report)

- [A] EP 0210547 A1 19870204 - SIEMENS AG [DE]
- [A] DE 2654104 A1 19780601 - GRUMMAN AEROSPACE CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 468 (C - 1102) 26 August 1993 (1993-08-26)

Cited by

EP3147921A1; FR3041469A1

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EP 0930043 A2 19990721; **EP 0930043 A3 19990728**; **EP 0930043 B1 20030416**; DE 19801465 A1 19990722; DE 59905015 D1 20030522; ES 2196654 T3 20031216

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