

Title (en)

Electric switch for speed control of motors.

Title (de)

Elektrischer Schalter zur Drehzahlregulierung von Motoren.

Title (fr)

Commutateur électrique à réglage de vitesse des moteurs.

Publication

**EP 0585541 A3 19941117 (DE)**

Application

**EP 93108632 A 19930528**

Priority

DE 4225287 A 19920731

Abstract (en)

[origin: EP0585541A2] An electrical switch (1) is proposed for regulating the rotation speed of motors, especially of electric motors in electric hand tools. This switch (1) has an adjustable operating device (5), the rotation speed of the motor being set by means of an electronic circuit to a value which corresponds to the position of the operating device (5). The switch (1) is furthermore equipped with a device for presetting a greatest rotation speed, which is less than or equal to the maximum rotation speed, with a locking device which allows the operating device (5) to be fixed in the position corresponding to the preset greatest rotation speed, with a reversing switch (18) for clockwise and anticlockwise running of the motor, and with a device for limiting the rotation speed in anticlockwise running to a rotation speed which is less than the maximum rotation speed. According to the invention, a device for preventing locking in anticlockwise running is also arranged on the switch (1). <IMAGE>

IPC 1-7

**H01H 9/06**

IPC 8 full level

**H01H 9/06** (2006.01)

CPC (source: EP)

**H01H 9/06** (2013.01); **H01H 9/061** (2013.01); **H01H 9/063** (2013.01)

Citation (search report)

- [Y] EP 0444907 A2 19910904 - BLACK & DECKER INC [US]
- [Y] DE 2755960 A1 19790621 - LICENTIA GMBH
- [A] GB 2150354 A 19850626 - BLACK & DECKER INC & DE 3342412 A1 19850605 - BLACK & DECKER INC [US]
- [A] DE 2363439 A1 19740704 - BLACK & DECKER MFG CO

Cited by

DE10334884A1; DE4410312C2; US10418879B2; US11491616B2; US10052733B2; US10615670B2; US11784538B2; US11260517B2; US11707831B2; US10668614B2; US11602832B2

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**DE 4225287 A1 19940203**; DE 59307318 D1 19971016; EP 0585541 A2 19940309; EP 0585541 A3 19941117; EP 0585541 B1 19970910; ES 2110026 T3 19980201

DOCDB simple family (application)

**DE 4225287 A 19920731**; DE 59307318 T 19930528; EP 93108632 A 19930528; ES 93108632 T 19930528