

Title (en)

Electrical switch, in particular for electrical hand tools

Title (de)

Elektrischer Schalter, insbesondere für Elektrohandwerkzeuge

Title (fr)

Commutateur électrique, notamment pour outils à main électrique

Publication

**EP 0732714 A3 19971022 (DE)**

Application

**EP 96102959 A 19960228**

Priority

DE 19508925 A 19950313

Abstract (en)

[origin: EP0732714A2] The speed of a hand held electrical tool is regulated by a switch unit that is built into the hand grip. The switch module has a housing of plastic Ä2Ü and a push button actuator connects with a pin Ä4Ü and this operates to turn the motor on and can be adjusted to vary the speed. The speed control is provided by an electronic control module Ä26Ü that is connected to a power semiconductor Ä28Ü regulating the current supplied to the motor. The power semiconductor is in contact with a carrier Ä31Ü and this connects via an aperture Ä33Ü in the housing with a heat sink plate Ä34Ü mounted on the side of the housing. The plate is located on mounting studs Ä35Ü.

IPC 1-7

**H01H 9/06**; H01H 9/52

IPC 8 full level

**H01H 9/06** (2006.01); **H01H 9/52** (2006.01); **H01H 9/04** (2006.01)

CPC (source: EP US)

**H01H 9/06** (2013.01 - EP US); **H01H 9/52** (2013.01 - EP US); **H01H 9/04** (2013.01 - EP US); **H01H 9/061** (2013.01 - EP US); **H01H 9/063** (2013.01 - EP US); **H01H 2009/065** (2013.01 - EP US)

Citation (search report)

- [A] EP 0489343 A2 19920610 - BSG SCHALTTECHNIK [DE]
- [A] US 4137490 A 19790130 - BROZOSKI DANIEL J, et al
- [DA] EP 0512316 A2 19921111 - MARQUARDT GMBH [DE] & DE 4114854 A1 19921112 - MARQUARDT GMBH [DE]

Cited by

CN103262196A; CN102184786A; EP3812102A1; US11491633B2

Designated contracting state (EPC)

CH DE ES GB IT LI NL

DOCDB simple family (publication)

**EP 0732714 A2 19960918**; **EP 0732714 A3 19971022**; **EP 0732714 B1 20020206**; DE 19508925 A1 19960919; DE 59608690 D1 20020321; US 5798584 A 19980825

DOCDB simple family (application)

**EP 96102959 A 19960228**; DE 19508925 A 19950313; DE 59608690 T 19960228; US 61420496 A 19960312