

Title (en)

Activation button for electric tools.

Title (de)

Betätigungsschalter für Elektrowerkzeug

Title (fr)

Commutateur d'activation pour outil électrique

Publication

EP 1471548 A3 20060503 (EN)

Application

EP 04076215 A 20040422

Priority

IT VI20030086 A 20030422

Abstract (en)

[origin: EP1471548A2] An activation button (20) for electric tools, in particular for welding torches and/or plasma arc torches that can be used for cutting materials, comprising at least one flexible foil (21), suitably shaped, arranged between two portions (13, 15) of the button (20), which are pivoted together at one end (11) to allow the actuation of the electric tool only in the presence of a manual command given by the operator; the structure of the button (20) is thus extremely reliable in terms of electrical continuity, at the same time ensuring extreme ease of construction and assembly, as well as an overall reduction in production costs, with respect to known solutions.

[origin: EP1471548A2] The button (20) has a suitably shaped flexible conductive foil (21) arranged between an outer casing (15) and mobile element (13), to determine the activation and deactivation state of the electric tool based on the compression and deformation of the flexible foil.

IPC 8 full level

H01H 9/06 (2006.01); **H01H 1/24** (2006.01)

CPC (source: EP)

H01H 1/245 (2013.01); **H01H 9/06** (2013.01)

Citation (search report)

- [X] US 6248966 B1 20010619 - NAKASE MASAKI [JP], et al
- [A] EP 1223593 A2 20020717 - ALPS ELECTRIC CO LTD [JP]
- [A] DE 9409478 U1 19940728 - KEMPPI OY [FI]
- [A] FR 2435117 A1 19800328 - SEIMA

Cited by

ES2585212A1; CN103240714A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1471548 A2 20041027; EP 1471548 A3 20060503; IT VI20030086 A1 20041023

DOCDB simple family (application)

EP 04076215 A 20040422; IT VI20030086 A 20030422