

Title (en)
Safety switch device

Title (de)
Sicherheitsschaltvorrichtung

Title (fr)
Dispositif de commutation de sécurité

Publication
EP 1431998 A3 20060201 (EN)

Application
EP 03257590 A 20031202

Priority
CN 02287611 U 20021216

Abstract (en)
[origin: EP1431998A2] The present invention relates to a safety switch device comprising a housing and a handle pivotally connected to the housing via a pivot. An electric switch is accommodated within the housing. A safety press-button is slidably provided on the housing. A pressing member is fixedly mounted on a slideable rod in the housing. An internal portion of the handle presses against the slideable rod. The slideable rod lies in a guiding groove on the interior of the housing. A clearance between the slideable rod in the guiding groove and the edge of the guiding groove is sufficient to advantageously permit the slideable rod to swing in the guiding groove when the safety button is not depressed. Irrespective of whether the safety press-button is depressed or not, the handle can always be rotated about the pivot so that the risk of damage by accidental operation of the handle or safety press button is eliminated.

IPC 8 full level
H01H 21/36 (2006.01); **H01H 3/20** (2006.01); **H01H 21/26** (2006.01)

CPC (source: EP)
H01H 3/20 (2013.01); **H01H 21/26** (2013.01)

Citation (search report)

- [A] DE 8511477 U1 19860306
- [A] DE 3006405 A1 19810827 - GARDENA KRESS & KASTNER GMBH [DE]
- [A] EP 0825627 A2 19980225 - ELECTROLUX OUTDOOR PROD LTD [GB]
- [A] US 5806374 A 19980915 - MIZUTANI MAKOTO [JP], et al
- [A] DE 8414594 U1 19851010
- [A] DE 3926098 A1 19910214 - GARDENA KRESS & KASTNER GMBH [DE]

Cited by
US11638397B2

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 PT RO SE SI SK TR

DOCDB simple family (publication)
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