

Title (en)
Short stroke switch

Title (de)
Kurzhubtaster

Title (fr)
Bouton-poussoir à faible course

Publication
EP 2487699 A1 20120815 (DE)

Application
EP 12000131 A 20120111

Priority
DE 102011010760 A 20110209

Abstract (en)
The short-stroke tactile switch comprises a tactile pressure point noticeable for the operator, a sensing element (10), and two redundantly arranged tactile micro-switch and a non-tactile micro-switch. The micro-switches are operated by the sensing element. The sensing element is comprised of a ball guide (60) and a support surface (40) so that the maximum stroke movement of the sensing element for operating the micro-switch is limited.

Abstract (de)
Die Erfindung betrifft einen Kurzhubtaster bestehend aus einem Tastkörper zur Betätigung des Kurzhubtasters, wobei wenigstens zwei redundant angeordnete Mikroschalter vorgesehen sind, die über den Tastkörper betätigbar sind, und wobei der Kurzhubtaster nur einen taktilen Druckpunkt aufweist.

IPC 8 full level
H01H 3/12 (2006.01); **H01H 13/64** (2006.01); **H01H 13/66** (2006.01); **H01H 13/85** (2006.01)

CPC (source: EP US)
H01H 3/12 (2013.01 - EP US); **H01H 13/64** (2013.01 - EP US); **H01H 13/66** (2013.01 - EP US); **H01H 13/85** (2013.01 - EP US);
H01H 2001/0005 (2013.01 - EP); **H01H 2225/01** (2013.01 - EP US)

Citation (search report)

- [A] US 2003116411 A1 20030626 - RODRIGUEZ NAVARRETE LUIS [ES], et al
- [A] DE 102005046621 A1 20070125 - PREH GMBH [DE]
- [A] EP 1696448 A1 20060830 - RESEARCH IN MOTION LTD [CA]
- [A] DE 3300185 A1 19830728 - GFELLER AG [CH]
- [A] US 2010224473 A1 20100909 - JEFFERY PETER ANDREW [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2487699 A1 20120815; EP 2487699 B1 20160106; DE 102011010760 A1 20120809; US 2012199448 A1 20120809

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EP 12000131 A 20120111; DE 102011010760 A 20110209; US 201213369155 A 20120208