

Title (en)

Dovetail base assembly for keyswitches.

Title (de)

Schwalbenschwanz-Anordnung für Tastschalterunterteile.

Title (fr)

Assemblage de base à queue d'aronde pour boutons-poussoirs.

Publication

EP 0094839 A1 19831123 (EN)

Application

EP 83302811 A 19830518

Priority

US 37996182 A 19820519

Abstract (en)

Keyboard switch modules have connectors for attaching one module to another and to form a modular structural base assembly for constructing a custom key switch array which includes a foundation structural base module and a grouped keyswitch station arranged similarly to a typewriter key matrix. Accessory base modules of various keyswitch groupings can be attached to the foundation module to permit addition of accessory keys at virtually any location and in any desired number of switch modules. The keyboard switch module (45) or connectors are of the tongue-and-groove type, especially dovetail connectors formed by flanges (75) and recesses (77) on the modules. The modules include means for effecting an interference fit to interlock adjacent modules. Preferably this interlocking is achieved by means of crush ribs in the connector recesses which engage the connector flanges.

IPC 1-7

B41J 5/10; **H01H 13/04**; **H01H 13/70**

IPC 8 full level

G06F 3/02 (2006.01); **B41J 5/10** (2006.01); **H01H 13/02** (2006.01); **H01H 13/04** (2006.01); **H01H 13/70** (2006.01); **H01H 13/807** (2006.01)

CPC (source: EP)

B41J 5/105 (2013.01); **H01H 13/70** (2013.01); **H01H 13/807** (2013.01); **H01H 2207/02** (2013.01); **H01H 2217/004** (2013.01); **H01H 2223/032** (2013.01); **H01H 2225/022** (2013.01); **H01H 2229/022** (2013.01); **H01H 2233/004** (2013.01)

Citation (search report)

- [X] DE 1490324 B2 19720224
- [X] DE 2516527 B2 19770915
- [A] US 3900712 A 19750819 - FUKAO SATOSHI
- [AD] US 3751618 A 19730807 - HALLERBERG D

Cited by

EP0312112A1; CN111791027A; EP0616344A1; US5494363A; US9107055B2; WO8902651A1; US10327035B2; US10743075B2; US10602212B2; US11122318B2; US11641502B2; US8903978B2; US9369829B2; US9854388B2; US10244375B2; US10291956B2; US10631042B2; US11330326B2; US11671651B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0094839 A1 19831123; JP S593823 A 19840110

DOCDB simple family (application)

EP 83302811 A 19830518; JP 8901883 A 19830518