

Title (en)

Hermetically sealed, modular, tactile keyboard.

Title (de)

Aus Modulen zusammengesetzte abgedichtete Tastatur mit Druckpunktauslösung.

Title (fr)

Clavier modulaire, étanche, à effet tactile.

Publication

EP 0074315 A2 19830316 (FR)

Application

EP 82401609 A 19820831

Priority

FR 8116623 A 19810901

Abstract (en)

[origin: US4471189A] The keyboard comprises a printed circuit (4) serving both as an electrical connection means and as a supporting means for a modular frame (3) including a plurality of square-shaped housings (30) defined by walls (31) and arranged in rows and columns, either contact modules (7) or signal-lamp modules fitted on said printed circuit in said housings, a resilient, sealed diaphragm (1) secured to said frame, keys cooperating with said contact modules through the portions of said keys which face outwardly from said diaphragm and are actuated by an operator finger, and means (105, FIG. 5; 9, FIG. 2) by which a tactile feel can be provided through a snapping, movement.

Abstract (fr)

Le clavier comprend un circuit imprimé (4) constituant un moyen de connexion électrique et de support pour une entretoise alvéolée modulaire (3) comportant une pluralité d'avéoles (30) de forme carrée, définies par des cloisons (31) et disposées suivant des rangées et des colonnes, des modules de contact (7) ou des modules de voyant montés sur le circuit imprimé dans les alvéoles de l'entretoise, une membrane étanche et élastique (1) solidaire de l'entretoise, des touches coopérant avec les modules de contact au moyen de la portion des touches extérieure à ladite membrane, sur laquelle agit le doigt, et des moyens (105 figure 5, 9 figure 2) de réaliser un effet tactile par basculement rapide.

IPC 1-7

B41J 5/12; **H01H 13/70**

IPC 8 full level

H01H 13/702 (2006.01); **B41J 5/12** (2006.01); **H01H 13/02** (2006.01); **H01H 13/70** (2006.01)

CPC (source: EP US)

B41J 5/12 (2013.01 - EP US); **H01H 13/7006** (2013.01 - EP US); **H01H 2209/014** (2013.01 - EP US); **H01H 2215/008** (2013.01 - EP US); **H01H 2215/036** (2013.01 - EP US); **H01H 2219/002** (2013.01 - EP US); **H01H 2219/014** (2013.01 - EP US); **H01H 2221/024** (2013.01 - EP US); **H01H 2221/066** (2013.01 - EP US); **H01H 2223/03** (2013.01 - EP US); **H01H 2229/022** (2013.01 - EP US); **H01H 2229/042** (2013.01 - EP US)

Cited by

FR2562320A1; FR2562286A1; EP0657908A3; EP0729164A3; EP0585536A1; FR2587833A1; US4671688A; CN105637606A; EP3033759A4; GB2269054A; GB2269054B; FR2566574A1; US4710597A; AU582171B2; US6204459B1; WO8603053A1; WO8600462A1; WO9850930A1; WO2015021560A1; US9823754B2

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