

Title (en)  
Keyboard with protection sheet

Title (de)  
Tastenfeld mit Schutzfolie

Title (fr)  
Clavier avec feuille de protection

Publication  
**EP 0729164 A3 19980318 (DE)**

Application  
**EP 95117659 A 19951109**

Priority  
DE 19505852 A 19950221

Abstract (en)  
[origin: DE19505852C1] A keyboard has an integrated film (6) that provides protection against moisture and contaminating particles. The keyboard is of a contact membrane type (2) that is formed with dome shaped projection is that are engaged by stems (5) from the keys (9) that move vertically to deform the domes to establish contact. The displacement range of the keys is limited by a rigid frame (3) and the foil lies against the frame and is fixed around the edge to the front panel of the housing. The foil is embedded into the keys.

IPC 1-7  
**H01H 13/70**; **H01H 13/06**

IPC 8 full level  
**H01H 13/04** (2006.01); **B41J 5/10** (2006.01); **H01H 13/06** (2006.01); **H01H 13/70** (2006.01)

CPC (source: EP US)  
**B41J 5/10** (2013.01 - EP US); **H01H 13/70** (2013.01 - EP US); **H01H 2219/006** (2013.01 - EP US); **H01H 2221/066** (2013.01 - EP US); **H01H 2223/002** (2013.01 - EP US); **H01H 2223/003** (2013.01 - EP US); **H01H 2223/044** (2013.01 - EP US); **H01H 2229/062** (2013.01 - EP US); **H01H 2231/006** (2013.01 - EP US)

Citation (search report)

- [Y] US 3126467 A 19640324
- [Y] EP 0074315 A2 19830316 - TELEMECANIQUE ELECTRIQUE [FR]
- [A] EP 0565959 A1 19931020 - MOTOROLA GMBH [DE]
- [A] EP 0181130 A2 19860514 - NEC CORP [JP]
- [A] EP 0122465 A2 19841024 - BBC BROWN BOVERI & CIE [DE]
- [DA] DE 9310721 U1 19931104 - BOCK HANS A DIPL ING TU [DE]

Cited by  
WO2007069195A2

Designated contracting state (EPC)  
DE ES FR GB IT SE

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DOCDB simple family (application)  
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