

Title (en)  
Multiple contact mobile device with rocker arm.

Title (de)  
Bewegliche Mehrkontaktanordnung mit Wippe.

Title (fr)  
Dispositif mobile multi contacts à balancier.

Publication  
**EP 0099943 A1 19840208 (FR)**

Application  
**EP 82200837 A 19820705**

Priority  
EP 82200837 A 19820705

Abstract (en)  
1. Multiple contact mobile device comprising a stirrup (13) made of material which is a good conductor, rendered fast with the drive means of the device, a stirrup support (11) of insulating material, a spring (15) acting on the stirrup support (11), a row of rollers (5) rotatable about an axis (14), and springs (7) acting axially on the rollers (5), characterised in that at least one rocker arm (1) made of a highly conductive material is free to oscillate about an axis (3) made fast with the stirrup support (11) sliding on the stirrup (13) rendered fast with the drive means of the device, and in that the rocker arm (1) comprises at each end a pivot pin (4) called the roller pin, approximately parallel to the rocker arm pivot pin (3) and possibly free to be displaced with an angular movement in a plane perpendicular to the direction of displacement of the device, and carrying one or more rollers (5) pushed against the rocker arm (1) by one or more springs (7) acting axially, and in that at least one flexible conductor (18) is arranged between the stirrup (13) and the rocker arm (1).

Abstract (fr)  
Ce dispositif comporte un balancier (1), libre d'osciller autour d'un axe (3) et qui, chargé en son milieu par un ressort (15), peut avoir un mouvement télescopique par rapport à un étrier (12). Le balancier (1) est muni à chaque extrémité d'un axe (4) portant deux galets (5) appliqués contre le balancier (1) par des ressorts (7) agissant axialement. Chaque axe (4) est libre de coulisser dans un trou (9) du balancier (1) et peut avoir un déplacement angulaire limité par des chanfreins (10) faits aux bords des trous (9). Une liaison souple (18) assure le passage du courant entre le balancier (1) et l'étrier (12).

IPC 1-7  
**H01H 1/16**

IPC 8 full level  
**H01H 1/06** (2006.01); **H01H 1/16** (2006.01); **H01H 1/26** (2006.01); **H01H 9/00** (2006.01)

CPC (source: EP)  
**H01H 9/0016** (2013.01)

Citation (search report)  
• [A] EP 0029467 A1 19810603 - ACEC [BE]  
• [A] US 1570933 A 19260126 - BENNINGTON EARL T  
• [A] US 2824911 A 19580225 - TAYLOR ASHTON B

Cited by  
EP0146396A3

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AT BE CH DE FR GB IT LI LU NL SE

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**EP 0099943 A1 19840208; EP 0099943 B1 19860226**; AT E18317 T1 19860315; DE 3269365 D1 19860403; JP S5931517 A 19840220

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**EP 82200837 A 19820705**; AT 82200837 T 19820705; DE 3269365 T 19820705; JP 12015583 A 19830701