

Title (en)

CONTACT MEMBER AND SWITCH DEVICE USING CONTACT MEMBER

Title (de)

KONTAKTELEMENT UND SCHALTVORRICHTUNG MIT DEM KONTAKTELEMENT

Title (fr)

ÉLÉMENT DE CONTACT, ET DISPOSITIF DE COMMUTATION UTILISANT L'ÉLÉMENT DE CONTACT

Publication

**EP 2565888 B1 20190109 (EN)**

Application

**EP 11774790 A 20110411**

Priority

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- JP 2011058975 W 20110411

Abstract (en)

[origin: EP2565888A1] PROBLEMS In a contact member provided with a plurality of protrusions in a curved portion and a switch device using the contact member, deterioration of an operating sensation is caused not to occur even though a pressing point is deviated from the center. SOLVING MEANS A dome-shaped curved portion 12 is formed in a contact member 10 formed of a metal leaf spring material, and three protrusions 13a, 13b, and 13c protrude toward a substrate at the periphery of a center O1. The extension direction of the leaf spring material that forms the contact member 10 is the X direction. The protrusions 13b and 13c are disposed at positions where the circular contours thereof do not overlap with a vertical center line Ox extending in the extension direction. Therefore, the positions of the protrusions may be displaced with respect to a direction in which an operating sensation is deteriorated due to the influence of the extension direction of the material, so that when a position distant from the center O1 is pressed, an area where the operating sensation is not deteriorated may be enlarged in a wide range in the X direction and the Y direction.

IPC 8 full level

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