

Title (en)

Mechanism for protecting vehicle occupant from key

Title (de)

Mechanismus zum Schutz eines Fahrzeuginsassen gegen die Gefahr eines Schlüssels

Title (fr)

Mécanisme de protection d'un occupant de véhicule contre la dangerosité d'une clé

Publication

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Application

EP 14151217 A 20140115

Priority

JP 2013012466 A 20130125

Abstract (en)

A mechanism that protects a vehicle occupant from a key when excessive load is applied to the key while obtaining sufficient strength for a key plate during normal usage. A support 4 pivotally couples a key plate 3 to a key case 2. The key plate 3 includes a basal end 8 fitted into and fixed to a key plate socket 9 in the support 4. The basal end 8 includes a thin portion 13 that is thinner than the key plate body 10 to facilitate separation of the key plate 3 from the support 4. The key plate body 10 includes two grooves 16 located proximal to the basal end to aid bending of the key plate 3. When a jackknife key is inserted into a key cylinder and a vehicle occupant hits and applies excessive load to the jackknife key, the key plate 3 first bends along the grooves 16 and the thin portion 13 then deforms 13 thereby separating the key plate 3 from the key case 2.

IPC 8 full level

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