Title (en)

COMBINED MECHANICAL AND ELECTRONIC KEY FOR A VEHICLE WITH A PAWL, FUNCTIONING AS A POSITIONING WING ELEMENT

Title (de)

KOMBINIERTER MECHANISCHER UND ELEKTRONISCHER SCHLÜSSEL FÜR EIN KRAFTFAHRZEUG MIT EINEM MITNEHMER, DER ALS FLÜGEL WIRKT

Title (fr)

CLÉ COMBINÉE MÉCANIQUE ET ÉLECTRONIQUE POUR VÉHICULE AVEC DOIGT D'ENTRAÎNEMENT, FONCTIONNANT COMME ÉLÉMENT DE POSITIONNEMENT EN FORME D'AILE

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Application

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Abstract (en)

[origin: WO2012079981A1] The invention relates to a combined mechanical and electronic key (1) for a motor vehicle, with a housing (10) which, at the edge region (11), has a slotted link (13) formed by a multiplicity of grooves (12), an electronic unit arranged in the housing (10), a key part (20) which has a bearing (30) which is mounted so as to be rotatable about an axis (31) along the slotted link (13), an activation element (32) which is accommodated in the bearing (30) and has at least two radially protruding wings (33) and a radially protruding driver (34), wherein the activation element (32) is movable between a passive position (2) and an active position (3), the key part (20) is movable between an inoperative position (4) and a use position (5), and, in the inoperative position (4) and in the use position (5) of the key part (20), in which the activation element (32) takes up the passive position (2), each wing (33) is located in a respective groove (12) and, during the movement between the inoperative position (4) and the use position (5), in which the activation element (32) takes up the active position (3), the wings (33) are released from the grooves (12) and the driver (34) engages in a contour (35) of the bearing (30). According to the invention, the driver (34) is designed in such a manner that, in the passive position (2) of the activation element (32), the wings (33) are latched together with the driver (34) into grooves (12a, 12b, 12c, 12d) of the slotted link (13), thus enabling absorption of high forces exerted by the key part (20) on the housing (10).

IPC 8 full level

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