

Title (en)

KEY MODULE FOR A KEYBOARD, AND KEYBOARD

Title (de)

TASTENMODUL FÜR EINE TASTATUR UND TASTATUR

Title (fr)

MODULE TOUCHE CONÇU POUR UN CLAVIER ET CLAVIER

Publication

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Application

EP 19768758 A 20190910

Priority

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Abstract (en)

[origin: WO2020053176A1] The invention relates to a key module (110) for a keyboard. The key module (110) has a key lifter (220). The key lifter (220) has a coupling section (322) for coupling a key cap for the key module (110). The key lifter (220) has at least one guide section (326, 328) for guiding a translational actuation movement of the key lifter (220) between a rest position and an actuation position. The key lifter (220) has at least one lifter stop (324) for limiting the actuation movement. The key module (110) also has a trigger element (350) for triggering a switch signal of the key module (110) in response to the actuation movement. The trigger element (350) can be attached to the key lifter (220). The key module (110) additionally has a module housing (230), wherein the module housing (230) is formed as a single piece. The module housing (230) has at least one positioning protrusion (334) for positioning the key module (110) on a circuit substrate of the keyboard. The module housing (230) is designed to receive the key lifter (220) in a movable manner in order to allow the actuation movement of the key lifter (220) relative to the module housing (230). The module housing (230) has at least one housing stop (332) for resting against the at least one lifter stop (324) of the key lifter (220) in the rest position of the key lifter (220). The key module (110) additionally has an elastic means (340). The elastic means (340) is designed to pre-tension the key lifter (220) into the rest position in an assembled state of the key module (110).

IPC 8 full level

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CPC (source: EP US)

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