

Title (en)
KEYBOARD MECHANISM

Title (de)
MECHANIK FÜR EIN KLAVIER

Title (fr)
MECANIQUE DE PIANO

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Abstract (en)
[origin: WO9523403A1] The invention relates to a keyboard mechanism with an upper hammer (3) which is hinged so that it can pivot about a first axis and a jack (2) which can pivot about a second axis and which co-operates with the upper hammer (3). In a first embodiment, the second axis can be displaced in the direction of the upper hammer (3) by depressing the keyboard key (1) associated with the mechanism. There are repulsion means which, as the upper hammer (3) rebounds after striking the piano string (4), exert a force of repulsion between the upper hammer (3) and the jack (2). The repulsion means are formed by two permanent magnets (14, 16), one of which is arranged on the upper hammer (3) and the other on the jack (2). The magnets (14, 16) are oriented so that their like magnetic poles point toward each other. In a second embodiment, the second axis is arranged on a lever (20) which can be displaced in the direction of the upper hammer (3) by depressing the keyboard key (1) associated with the mechanism. There are repulsion means which, as the upper hammer (3) rebounds after striking the piano string (4), exert a force of repulsion between the upper hammer (3) and the lever (20). The repulsion means are formed by two permanent magnets (23, 24), one of which is arranged on the upper hammer (3) and the other on the lever (20). The magnets (23, 24) are oriented so that their like magnetic poles point toward each other.

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