

Title (en)
BENCH WITH Laterally MOVABLE SEAT

Title (de)
SITZBANK MIT SEITLICH BEWEGLICHEM SITZ

Title (fr)
BANC AVEC SIÈGE MOBILE LATÉRALEMENT

Publication
EP 4388942 A1 20240626 (EN)

Application
EP 22462013 A 20221220

Priority
EP 22462013 A 20221220

Abstract (en)
The bench with a laterally movable seat, in particular a piano bench, comprises a stationary supporting frame (60) configured to rest on a floor, and a seat unit (3) arranged on a top portion of the supporting frame (60), the seat unit (3) being configured to be movable with respect to the supporting frame (60) by means of rollers (21, 22) along a horizontal straight line defined as a moving direction (m). The rollers (21, 22) are rotatably mounted on the supporting frame (60). The movable seat unit (3) is provided with first guiding surfaces extending parallel to the moving direction (m) of the seat unit (3), wherein a first group of said rollers (21) mounted on the supporting frame (60) with horizontal axes of rotation are arranged to bear against said first guiding surfaces of the seat unit (3) from below. The movable seat unit (3) is further provided with second guiding surfaces extending parallel to the moving direction (m) of the seat unit (3) and also parallel to said first guiding surfaces (41), wherein a second group of rollers (22) mounted on the supporting frame (60) with horizontal axes of rotation are arranged to bear against said second guiding surfaces of the seat unit (3) from above. The movable seat unit (3) is further provided with a third guiding surface extending parallel to the moving direction (m) of the seat unit (3) and oriented orthogonally to said first and second guiding surfaces, wherein a third group of rollers mounted on the supporting frame (60) with vertical axes of rotation are arranged to bear against said third guiding surface of the seat unit (3) in a first horizontal direction orthogonal to said moving direction (m). The movable seat unit (3) is further provided with a fourth guiding surface extending in parallel to said third guiding surface, wherein a fourth group of rollers mounted on the supporting frame (60) with vertical axes of rotation are arranged to bear against said fourth guiding surface in a second horizontal direction opposite to said first horizontal direction.

IPC 8 full level
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Citation (applicant)
• US 3718365 A 19730227 - GIBSON C
• US 1290517 A 19190107 - COPLEY MATTHEW E [CA]

Citation (search report)
• [A] GB 609671 A 19481005 - HARRY DAVID JENNER, et al
• [A] US 2681690 A 19540622 - JOHNSON CARROLL W, et al
• [A] DE 2638924 A1 19780302 - VOGT BUEROMOEBEL
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