Title (en)

SHELF HEIGHT ADJUSTMENT MECHANISM

Title (de)

MECHANISMUS ZUR EINSTELLUNG DER REGALHÖHE

Title (fr)

MÉCANISME DE RÉGLAGE DE LA HAUTEUR D'UNE ÉTAGÈRE

Publication

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Application

EP 19838013 A 20190524

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Abstract (en)

[origin: WO2020018052A2] The present invention relates to a height adjustment mechanism (1) adapted to be used in refrigerators (17) having at least one shelf (18), enabling adjusting the height of the shelf (18), and comprising a rectangular prism shaped frame (2) consisting of vertical and horizontal arms, a shelf bearer (3) movable upwards/downwards inside the frame (2), on which is placed the shelf (10) whose height is to be adjusted, and four threaded shafts (4) mounted on four corners of the frame (2) in perpendicular direction to the horizontal shelf bearer (3) plane, extending between the lower and the upper arms of the frame (2) by freely passing through the holes on the corners of the shelf bearer (3), and having helical threads on their outer cylindrical surfaces, four pulleys (6) engaged on the threaded shafts, rotated by means of the timing belt (5) pulled by a handle (7) from front, and a ratchet mechanism (9) enabling the timing belt (5) to be advanced by being sequentially pulled in one direction by the handle (7) being pulled in one direction and being pulled back in a free state, and the shelf (18) to be raised or lowered to an extent desired by the user so as to remain in the frame (2).

IPC 8 full level

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