

Title (en)

MECHANISM FOR THE SIMULTANEOUS ADJUSTMENT OF GAPS AND/OR THE SIMULTANEOUS ADJUSTMENT OF ANGLES, FOR THE PRODUCTION OF A MULTI-LEVEL OR STAIRCASE STRUCTURE

Title (de)

MECHANISMUS ZUR GLEICHZEITIGEN ANPASSUNG VON SPALTEN UND/ODER GLEICHZEITIGEN ANPASSUNG VON WINKELN ZUR HERSTELLUNG EINER STRUKTUR MIT MEHREREN EBENEN ODER STUFEN

Title (fr)

MECANISME DE REGLAGE SIMULTANE D'INTERVALLES ET/OU DE REGLAGE SIMULTANE D'ANGLE POUR REALISER UNE STRUCTURE D'ESCALIER OU D'ETAGEMENT

Publication

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Application

**EP 13774221 A 20130822**

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Abstract (en)

[origin: WO2014029925A1] The invention relates to a mechanism for the simultaneous adjustment of gaps and/or angles for the production of a multi-level or stair structure. The mechanism is characterised in that it comprises a technical housing containing a gap-indicating rule which is provided with parallel inclined grooves and which moves diagonally on fixed transverse shafts. Said diagonal translational movement, performed by a forward-backward control element, causes the sliding of upper shafts and lower shafts that are interconnected by a series of V-shaped arms. The upper shafts slide in a gap-indicating slide and the lower shafts slide in the slide of the technical housing. The lower shafts are solidly connected to the pendulums bearing the plates, allowing the simultaneous adjustment of the gaps between the plates. The technical housing also contains an angle-indicating rule which is provided with parallel inclined grooves and which moves diagonally on fixed transverse shafts, said diagonal translational movement causing the simultaneous movement of sliders in the angle-indicating slide. The aforementioned sliders also pivot the pendulums via a slide-element located at the front end of the pendulums. The technical housings are secured to the wall or the side support by a mortise-and-tenon system on securing supports. According to the invention, the device is intended in particular for the production of a generally straight staircase or staircase formwork.

IPC 8 full level

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