

Title (en)

ADVANCEMENT GUIDE UNIT FOR ENSURING THE STRAIGHT-LINE MOTION OF A MANUALLY GUIDED MACHINE TOOL

Title (de)

VORSCHUBFÜHRUNGSEINHEIT ZUM GERADFÜHREN EINER HANDGEFÜHRTEN WERKZEUGMASCHINE

Title (fr)

ÉLÉMENT GUIDE D'AVANCE POUR LE GUIDAGE RECTILIGNE D'UNE MACHINE-OUTIL PORTATIVE

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Application

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Abstract (en)

[origin: CA2736273A1] The invention relates to an advancement guide unit (5) for ensuring the straight-line motion of a manually guided machine tool (1), particularly a portable drill, in the direction of advancement thereof and is substantially composed of a support element (12) for support on a workpiece to be treated and a carriage (30) guided displaceably on the support element (12) relative thereto in the direction of advancement for supporting and guiding the machine tool (1). According to the invention, a damper (33) acting in the direction of advancement is disposed between the support element (12) and the carriage (30), said damper damping the initial stroke of the carriage (30) toward the support element (12) over a predefined initial stroke distance (y). In a refinement, the damper (33) is disposed between the support element (12) and carriage (30) such that the damping of the initial stroke of the carriage (30) only commences after a primary, undamped initial stroke of the carriage (30).

IPC 8 full level

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Citation (search report)

See references of WO 2010025713A2

Citation (examination)

- US 2963927 A 19601213 - HANGER RANDOLPH T
- US 5899644 A 19990504 - BUCK MANFRED [DE], et al
- US 2909949 A 19591027 - WINSLOW JAMES C

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