Title (en)

METHOD AND DEVICE FOR RIFLING BARRELS OF FIREARMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ZÜGEN IN LÄUFEN VON FEUERWAFFEN

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE PRODUIRE DES RAYURES DANS LE CANON D'ARMES À FEU

Publication

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Application

EP 17730749 A 20170609

Priority

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Abstract (en)

[origin: WO2017210709A1] The invention relates to the production of the grooves in barrels by means of a PECM (precise electrochemical machining) method. In known solutions, the barrels are inserted into and clamped in the PECM tool in a horizontal position. A disadvantage of this is that the prevalent gravitation can cause undesired effects (long, thin barrels can deflect or sag somewhat depending on the clamping situation). In addition, horizontal machine tools require a relatively large amount of space. The problem addressed by the invention is that of eliminating the aforementioned disadvantages of the known solutions. The design of the tool was thoroughly revised such that the barrels can be inserted into the tool in a vertical position and therefore gravitational effects are entirely eliminated. This design also makes it possible to reduce the space required by the machine tool. Because of the design of said tool, one or more barrels can be inserted and machined simultaneously, which reduces the machining time. Barrels up to a length of 1500 mm can be produced by means of said tool.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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