

Title (en)  
METHOD OF MACHINING SEVERAL WORKPIECE BLANKS WITH A MACHINE TOOL AND A SET OF CUSTOMIZED SUPPORTS FOR THE METHOD THEREOF

Title (de)  
VERFAHREN ZUR BEARBEITUNG MEHRERER WERKSTÜCKKROHLINGE MIT EINER WERKZEUGMASCHINE UND EIN SATZ VON SPEZIFISCHEN TRÄGERN FÜR DAS VERFAHREN DAFÜR

Title (fr)  
PROCÉDÉ D'USINAGE DE PLUSIEURS ÉBAUCHES DE PIÈCES À L'AIDE D'UNE MACHINE-OUTIL ET D'UN ENSEMBLE DE SUPPORTS PERSONNALISÉS POUR LEDIT PROCÉDÉ

Publication  
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Application  
**EP 21176447 A 20210528**

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Abstract (en)  
The invention relates to a set of customized supports (10a, 10b, 10c) for supporting workpiece blanks (20a, 20b, 20c) of different diameters. Each customized support (10a, 10b, 10c) is adapted to be hold by a same mounting support (40) aligned with a spindle (112) of a machine tool (110) or to respective mounting support (40a, 40b, 40c) to be aligned with said spindle (112). Each customized support (10a, 10b, 10c) has a supporting surface (11) for supporting a portion of a workpiece blank (20a, 20b, 20c) during machining, wherein the shape and/or dimensions of said supporting surface (11) is different between each customized support (10a, 10b, 10c) of the set of customized supports so as to offset the difference in diameter between different workpiece blanks (20a, 20b, 20c) having different diameter such that a portion of a workpiece blank to be machined is always supported by a customized support (10a, 10b 10c) when mounted on the same mounting support (40) of the machine tool (110) or by a customized support (10a, 10b 10c) of respective mounting support (40a, 40b, 40c) without requiring any height adjustment of the mounting support (40; 40a, 40b, 40c). The invention also relates to a method of machining several workpiece blanks using the set of customized supports (10a, 10b, 10c) and to a machine tool (50) adapted to perform the method.

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Cited by  
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