

Title (en)

METHOD AND ROLLING DIE FOR PRODUCING A SCREW HAVING A VARIABLE THREAD PITCH

Title (de)

VERFAHREN UND WALZBACKEN ZUR HERSTELLUNG EINER SCHRAUBE MIT VERÄNDERLICHER GEWINDESTEIGUNG

Title (fr)

PROCÉDÉ ET MÂCHOIRE DE LAMINAGE POUR FABRIQUER UNE VIS À PAS VARIABLE

Publication

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Application

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Abstract (en)

[origin: WO2011085999A1] The invention relates to a method for producing a screw (26) having a continuous thread (28) of variable thread pitch, wherein a blank (16) is rolled between two rolling dies (24), wherein a roller profile is implemented in each rolling die, comprising a group of curved, non-parallel recesses (34). The recesses (34) are implemented and arranged so that zero or as little as possible volume transport takes place in the axial direction during rolling, or a volume transport from an area of the blank at which a thread segment having greater thread pitch is to be implemented, into an area in which a thread segment having a smaller thread pitch is to be implemented.

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