

Title (en)

PROCESS AND DEVICE FOR MANUFACTURING A GEAR PART WITH OUTER TEETH

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES AUSSEN VERZAHNTEN GETRIEBETEILES

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION D'UNE PARTIE D'ENGRENAGE A DENTURE EXTERIEURE

Publication

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Application

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Abstract (en)

[origin: WO9806521A1] A process is disclosed for manufacturing a gear part with outer teeth from a metallic workpiece shaped as a circular blank or predrawing. The gear part has a hub surface with outward projecting teeth. The workpiece is flattened in its circumferential area and the teeth are formed without cutting in a toothed roller (5) mounted in a freely rotary manner. While the teeth are formed by flattening the workpiece, the toothed roller (5) is fixed in the radial direction so as to not move towards the feeding axis of the spindle. The edge of a circular blank may be curled or thickened or the cylindrical edge of a pot-shaped predrawing may be collapsed.

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