

Title (en)  
ROLLER BURNISHING TOOL

Title (de)  
ROLLIERWERKZEUG

Title (fr)  
OUTIL DE GALETAGE

Publication  
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Application  
**EP 14752625 A 20140818**

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Abstract (en)  
[origin: WO2015058880A1] The invention relates to a roller burnishing tool for generating a tooth structure in a wall (6.2) of a cylindrical blank (6), comprising the following features: • - a clamping device for holding the blank (6); • - an annulus of disc-shaped rotatably mounted rollers (1), the peripheral edges of which are directed against the wall (6.2) of the blank and are pressed against the same; • - bearing journal (2) for mounting the rollers (1); • - a stamp (9) in the inner cavity of the blank (6) having a tooth structure as a counter-mould; • - a drive for generating a relative movement in a feed direction (7) between the rollers (1) and the blank (6). The invention is characterized by the following features: • - a wedge-shaped intermediate body (11) is provided which presses the rollers (1) on the bearing journal (2) by exerting a pressure, stabilizes said intermediate body in a fixed environment, and the position of said intermediate body in the feed direction (7) is determined by at least one replaceable spacer.

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