

Title (en)
ROLLING MACHINE FOR FORMING THREADS ON CYLINDRICAL BODIES AND PROCESS FOR PHASING TOGETHER FORMING ROLLERS OF A ROLLING MACHINE

Title (de)
WALZMASCHINE ZUM AUSBILDEN VON GEWINDEN AUF ZYLINDRISCHEN KÖRPERN UND VERFAHREN ZUM SYNCHRONISIEREN VON FORMWALZEN EINER WALZMASCHINE

Title (fr)
MACHINE DE LAMINAGE POUR FORMER UN FILETAGE SUR DES CORPS CYLINDRIQUES ET PROCÉDÉ DE MISE EN PHASE FORMANT ENSEMBLE DES ROULEAUX D'UNE MACHINE DE LAMINAGE

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Application
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Abstract (en)
Rolling machine for forming a thread on cylindrical bodies, which comprises two or more forming rollers (6), mechanically associated with the support structure (2) and adapted to plastically deform a cylindrical body arranged along a central work axis (A) of the machine (1). Each forming roller (6) is provided with a thread (8), is driven to rotate around its rotation axis (Z) by a brushless motor (16) and is driven to be moved along a respective first transverse axis (R) perpendicular to the work axis (A) by a corresponding hydraulic piston (15). Sensor means (30) are provided that are mechanically mounted on the support structure (2) and drivable to be moved by movement means (35) between a non-operative position (P1), in which they are in distal position with respect to the forming rollers (6), and an operative position (P2), in which they are in proximity to at least one forming roller (6) in order to detect the axial position of its thread. The invention also relates to a process for phasing the forming rollers of such a rolling machine.

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Citation (applicant)
DE 10011681 A1 20010913 - BAD DUEBEN PROFILWALZMASCHINEN [DE]

Citation (search report)

- [A] DE 10011681 A1 20010913 - BAD DUEBEN PROFILWALZMASCHINEN [DE]
- [A] DE 924103 C 19550321 - PEE WEE MASCHINEN UND APPBAU I
- [A] EP 0296594 A2 19881228 - WANDERER MASCHINEN GMBH [DE]
- [A] DE 1136972 B 19620927 - PEE WEE MASCHINEN UND APPBAU W

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CN108480533A; CN114178777A; CN107127281A; EP3505268A1; EP3708269A1; IT201900003803A1

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