

Title (en)
ROLLING MACHINE FOR FORMING A THREADING ON A CYLINDRICAL BODY AND METHOD FOR MUTUALLY SYNCHRONISING FORMING ROLLERS OF A ROLLING MACHINE

Title (de)
WALZMASCHINE ZUR BILDUNG EINES GEWINDES AN EINEM ZYLINDRISCHEN KÖRPER UND VERFAHREN ZUM GEGENSEITIGEN SYNCHRONISIEREN VON FORMWALZEN EINER WALZMASCHINE

Title (fr)
MACHINE DE LAMINAGE POUR FORMER UN FILETAGE SUR UN CORPS CYLINDRIQUE ET PROCÉDÉ DE SYNCHRONISATION MUTUELLE DES ROULEAUX D'UNE MACHINE DE LAMINAGE

Publication
EP 3505268 A1 20190703 (EN)

Application
EP 18212692 A 20181214

Priority
IT 201700150980 A 20171229

Abstract (en)
The rolling machine for forming a threading on a cylindrical body, comprising two or more forming rollers (6), each provided with a threading (8) having at least one thread extending around its rotation axis (Z), and adapted to plastically deform a cylindrical body available along a central working axis (A) of the machine (1). The machine therefore comprises two or more actuator means (15) each provided with a movable head on which a corresponding forming roller (6) is mounted to move it along a respective first transverse axis (R) perpendicular to the working axis (A), and two or more sensor means (30), each of which is fixedly mounted on the movable head to detect the distance of the thread profile of the corresponding forming roller (6) generating corresponding measurement signals. A logic control unit, in communication with the sensor means (30), receives measurement signals of the sensor means (30) and defines the relative position of the threads of the forming rollers (6).

IPC 8 full level
B21H 3/04 (2006.01)

CPC (source: CN EP)
B21H 3/04 (2013.01 - CN EP); **B21H 3/046** (2013.01 - EP)

Citation (search report)

- [A] EP 3112044 A1 20170104 - MICO S R L [IT]
- [A] DE 10011681 A1 20010913 - BAD DUEBEN PROFILWALZMASCHINEN [DE]
- [A] DE 924103 C 19550321 - PEE WEE MASCHINEN UND APPBAU I

Cited by
IT202000001375A1; CN112846011A

Designated contracting state (EPC)
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BA ME

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