

Title (en)
ROLLING MACHINE FOR FORMING IMPRESSIONS ON CYLINDRICAL BODIES AND METHOD FOR SUBSTITUTING A FORMING ROLLER OF SUCH ROLLING MACHINE

Title (de)
WALZMASCHINE ZUM AUSBILDEN VON PRÄGUNGEN AUF ZYLINDRISCHEN KÖRPERN UND VERFAHREN ZUM ERSETZEN VON FORMWALZEN DER WALZMASCHINE

Title (fr)
MACHINE DE LAMINAGE POUR FORMER DES IMPRESSIONS SUR DES CORPS CYLINDRIQUES ET PROCÉDÉ DE SUBSTITUTION D'UN ROULEAU D'UNE MACHINE DE LAMINAGE

Publication
EP 3248706 A1 20171129 (EN)

Application
EP 17172587 A 20170523

Priority
IT UA20163757 A 20160524

Abstract (en)
Rolling machine (1) for making impressions on cylindrical bodies, which comprises a support structure (2) mechanically connected to two or more forming rollers (6), each fit on a respective rotary transmission member (21) and provided with a shaped profile susceptible of rotating on a cylindrical body to be formed, placeable along a central work axis (A) of the machine (1). The machine (1) also comprises two or more hydraulic actuators (15), each of which mechanically associated with the support structure (2) and rotatably supporting a corresponding rotary transmission member (21) in order to move the forming roller (6) along a respective first transverse axis (R) perpendicular to the central work axis (A), and comprises two or more motors (16), each of which mechanically connected to a corresponding rotary transmission member (21) in order to actuate the corresponding forming roller (6) in rotation around the rotation axis (Z) thereof. In particular, such rolling machine (1) comprises two or more actuator means (22), each mechanically associated with a corresponding rotary transmission member (21) in order to move the latter between a forward position, in which it is fit with the relative forming roller (6), supporting it on the corresponding hydraulic actuator (15), and a retracted position, in which it is removed and free from said relative forming roller (6). In addition, each rotary transmission member (21) is telescopically extensible in order to compensate for the movement between the forward and retracted positions.

IPC 8 full level
B21H 3/04 (2006.01)

CPC (source: EP)
B21H 3/04 (2013.01)

Citation (search report)

- [A] CN 104942190 A 20150930 - SHANDONG QINGDAO SHENGJIAN MACHINERY FACTORY
- [A] EP 0894555 A2 19990203 - REVUE THOMMEN AG [CH]
- [A] DE 19710730 A1 19980924 - FRAUNHOFER GES FORSCHUNG [DE]
- [A] US 5916318 A 19990629 - ANDERSON RAY C [US]

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3248706 A1 20171129; EP 3248706 B1 20190102; IT UA20163757 A1 20171124

DOCDB simple family (application)
EP 17172587 A 20170523; IT UA20163757 A 20160524