

Title (en)

Forming thin metallurgical products between two cylinders

Title (de)

Formen von dünnen metallurgischen Produkten zwischen zwei Zylindern

Title (fr)

Mise en forme de produits métalliques minces entre deux cylindres

Publication

EP 0709152 A1 19960501 (FR)

Application

EP 95402328 A 19951019

Priority

FR 9413102 A 19941028

Abstract (en)

The appts. incorporates two cylinders (10, 11) installed in bearings (13, 14) on a frame (16). Each cylinder is provided with means (22) for measuring the position of its generatrix located diametrically opposite to the gap at three or more points in parallel planes (P1, P3, P5), and means (23) for measuring the position of its generatrix in the middle plane (P3) at an angle of 90 degrees relative to the gap. These measurements are used for continuous determination of the gap between the cylinders while the installation is in operation, with possible cylinder deformations taken into account.

Abstract (fr)

Le dispositif comporte deux cylindres (10, 11) maintenus par des paliers (13, 14) sur un châssis (16) et, pour chaque cylindre, des moyens de mesure (22) de la position de la génératrice diamétralement opposée au col entre les cylindres, en trois points ou plus situés respectivement dans un plan médian (P3) perpendiculaire aux axes et dans des plans secondaires tels que (P1, P5) parallèles au plan médian, et des moyens de mesure (23), dans le dit plan médian, de la position d'une génératrice située à 90° par rapport au col Le procédé selon l'invention utilise ces mesures pour déterminer en continu l'entrefer entre les cylindres en tenant compte des déformations en service des cylindres. Application notamment à la coulée continue entre cylindres de bandes métalliques. <IMAGE>

IPC 1-7

B22D 11/06; **B21B 38/10**; **B21B 38/12**

IPC 8 full level

G01B 11/14 (2006.01); **B21B 37/58** (2006.01); **B21B 38/10** (2006.01); **B21B 38/12** (2006.01); **B22D 11/06** (2006.01); **B22D 11/16** (2006.01); **G01B 21/16** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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