

Title (en)

Method and device for controlling the resilience by bending of an elongated element such as a tube.

Title (de)

Verfahren und Vorrichtung zur Kontrolle der Rückfederung beim Biegen eines länglichen Teiles wie z. B. eines Rohres.

Title (fr)

Procédé et dispositif pour le contrôle du retour élastique, lors du cintrage d'un élément allongé tel que tube.

Publication

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Application

**EP 89420106 A 19890324**

Priority

FR 8805714 A 19880421

Abstract (en)

The invention relates to the monitoring of the spring-back of a tube (7), or other deformable elongate element, on it being bent by wrapping around a forming component (1), with clamping of the tube (in 5) at a portion (7c) located in front of the bend to be formed. <??>After producing the bend (7a), the portion (7c) of the tube located in front of this bend remains clamped, while its portion (7b) located to the rear of the bend (7a) is released. The extent of the spring-back is determined by a detection means (13) which carries out a measurement or a referencing on the released portion (7b) of the tube located to the rear of the bend (7a). The detection of the spring-back is made on rotation of the tube (7) and of the forming component (1) about the axis (2) of the bend (7a) by detecting the instant when the portion (7b) reaches a predetermined position. <??>This process enables the bending of the tube (7) to be resumed after detecting the spring-back. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] DD 109331 A1 19741105
- [A] US 3096806 A 19630709 - ROOT CLINTON H
- [A] DE 7222996 U
- [X] PATENT ABSTRACTS OF JAPAN

Cited by

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