

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE RESILIENCE BY BENDING OF AN ELONGATED ELEMENT SUCH AS A TUBE

Publication

**EP 0338944 B1 19911218 (FR)**

Application

**EP 89420106 A 19890324**

Priority

FR 8805714 A 19880421

Abstract (en)

[origin: EP0338944A1] 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

**B21D 7/14**

IPC 8 full level

**B21D 7/024** (2006.01); **B21D 7/14** (2006.01)

CPC (source: EP US)

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Citation (examination)

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