

Title (en)

PROCESS FOR MANUFACTURING WORKPIECES BY HYDRAULIC-PRESSURE SHAPING, AND APPARATUS FOR CARRYING OUT THIS PROCESS

Publication

**EP 0036365 B1 19840912 (FR)**

Application

**EP 81400387 A 19810313**

Priority

FR 8005656 A 19800313

Abstract (en)

[origin: EP0036365A1] 1. A method for obtaining by the hydraulic bending process, pieces of such shapes as T, or bulb sections from blanks having the shape of a tubular cross section or a similar shape, wherein one applies mechanical compression in the longitudinal direction of the blank and then hydraulic pressure within the latter so as to obtain a deformation of the blank in the transverse direction, the method being characterized in that it comprises at least one stage consisting in measuring, when the longitudinal compression attains a predetermined value, the corresponding value, the corresponding value of the internal pressure and/or of the transverse deformation of the blank, and in determining, depending on the said corresponding value, the subsequent relationship between the internal pressure and the longitudinal compression.

IPC 1-7

**B21D 26/02**

IPC 8 full level

**B21C 37/29** (2006.01); **B21D 26/02** (2011.01); **B21D 26/041** (2011.01)

CPC (source: EP)

**B21C 37/294** (2013.01); **B21D 26/041** (2013.01)

Citation (examination)

- FR 1048482 A 19531222 - ICI LTD
- FR 2073790 A5 19711001 - TNO, et al

Cited by

FR2536680A1; EP0633075A1; US5992197A; FR2654957A1; FR2744380A1; ES2154105A1; FR2535987A1; US6006568A; DE4322424C1; EP0985465B1

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**EP 0036365 A1 19810923**; **EP 0036365 B1 19840912**; AT E9283 T1 19840915; DE 3165914 D1 19841018; FR 2477918 A1 19810918; FR 2477918 B1 19840302

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