

Title (en)

METHOD AND APPARATUS FOR BENDING A LONG METAL OBJECT

Publication

EP 0045470 B1 19860129 (FR)

Application

EP 81105933 A 19810728

Priority

- FR 8017297 A 19800805
- FR 8100539 A 19810114

Abstract (en)

[origin: US4414833A] A method of bending a long metal member of constant cross-section by locally heating a narrow zone on the periphery of said member by means of a heating collar (5) which surrounds said zone, by exerting thrust (2) on one end of the member and by supporting its other end by means of a pivoting arm (3). The temperature of the heated zone on the periphery of the member is kept substantially constant by detecting the temperature of this zone or the size of the gap which separates the heating collar from the periphery of said zone at at least two points around said periphery, one of these points being nearest the center of curvature and the other being on the opposite side to the first. The input of heat at one or other of these points is increased or reduced according to whether the temperature is lower or higher than a nominal temperature at said point, or to whether the gap is greater or smaller than a nominal gap at said point, said nominal values of temperature and gap corresponding to uniform heating around said periphery.

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B21D 7/025

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

FR 2181642 A1 19731207 - BABCOCK & WILCOX AG [DE]

Cited by

EP2327486A1; FR2598945A1; CN113492166A; EP0196653A1; FR2579912A1; US10471490B2; EP3216535A1; FR3048628A1; WO2011064293A1

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