

Title (en)

Mandrel for supporting the inside wall of a pipe during the cold-bending of said pipe in a press

Title (de)

Dorn zur Stützung der Innenwandung eines Rohres während dessen Kaltumformung in einer Presse

Title (fr)

Mandrin pour appuyer sur la paroi intérieure d'un tuyau pendant le formage à froid dans une presse

Publication

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Application

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Priority

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Abstract (en)

A device for the cold bending of pipes in a press, comprising a plurality of substantially cylindrical elastically deformable disks as a means of supporting the inside wall of the pipe to be bent and one or more substantially rigid separator elements between the disks. <IMAGE>

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IPC 8 full level

B21D 9/03 (2006.01)

CPC (source: EP)

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Citation (search report)

- [XY] US 4378689 A 19830405 - MOLZ THEODOR [CH]
- [Y] US 4493203 A 19850115 - WHEELER LIONEL H [US], et al
- [A] US 4671096 A 19870609 - CROSBY JR CHARLIE P [US]
- [A] US 5564303 A 19961015 - BUCHANAN ROBERT W [US], et al

Cited by

CN110102618A; CN110893427A; US11331709B1; WO2020228840A1

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