Title (en)

PIPE BENDING MACHINE WITH BENDING MANDREL HAVING A LOAD BEARING STRUCTURE WHICH IS PARTICULARLY RESISTANT TO WORKING STRESSES

Title (de)

ROHRBIEGEMASCHINE MIT EINEM BIEGEDORN MIT LASTTRAGSTRUKTUR, DIE GEGEN ARBEITSBELASTUNGEN BESONDERS WIDERSTANDSFÄHIG IST

Title (fr)

MACHINE A PLIER LES TUYAUX POURVUE D'UN MANDRIN DE PLIAGE A STRUCTURE PORTANTE PARTICULIEREMENT RESISTANTE AUX CONTRAINTES

Publication

EP 2203266 B1 20190508 (EN)

Application

EP 08834239 A 20080915

Priority

- IT 2008000590 W 20080915
- IT RM20070483 A 20070917

Abstract (en)

[origin: WO2009040859A2] A pipe bending machine with bending mandrel having a load bearing structure which is particularly resistant to working stresses, comprises an extractor (2) which is fixed in a rear portion of the pipe bending machine, and mandrel rod (13) which extends with its longitudinal axis (g), from the extractor beyond a front portion of the machine, where a bending head (7) which is provided with a die (8) stresses a pipe (T) to be bent, which is inserted in a mandrel (12), by a traction resultant force that is transmitted along the mandrel rod (13) to the extractor (2) that counteracts with a resultant restraining reaction. The pipe bending machine comprises a load bearing structure (1) having a profile such that it contains inside the longitudinal axis (g) of the mandrel rod (13), in such a way that the load bearing structure (1) is subjected mainly to compression stresses.

IPC 8 full level

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CPC (source: EP KR US)

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