

Title (en)  
PIPE-BENDING MACHINE

Publication  
**EP 0257182 A3 19880511 (DE)**

Application  
**EP 87104357 A 19870324**

Priority  
DE 3627502 A 19860813

Abstract (en)  
[origin: US4788845A] A pipe bending machine comprises a longitudinally extending machine frame having an upper side, a feeding carriage movable at an upper side of the machine frame and carrying device for clamping a pipe, a bending head provided on one end of the machine frame and rotatable about a vertical axis, a bending template mounted on the bending head and formed as a multi-level template having a plurality of bending grooves provided with different bending diameters and arranged at different levels, a device cooperating with the bending template for bending a pipe therebetween, the bending template and the displacing carriage with the clamping sleeve being movable relative to one another in a vertical direction and transversely to a longitudinal direction of the machine frame for using one or another of the bending grooves, the bending template being liftable and lowerable in the vertical direction for exchanging the bending grooves, while the feeding carriage being moved transversely in the longitudinal direction of the machine frame.

IPC 1-7  
**B21D 9/05**; **B21D 7/024**

IPC 8 full level  
**B21D 7/02** (2006.01); **B21D 7/024** (2006.01); **B21D 9/05** (2006.01); **B21D 9/07** (2006.01)

CPC (source: EP US)  
**B21D 7/021** (2013.01 - EP US); **B21D 9/07** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2530980 A1 19840203 - EATON LEONARD CORP [US]
- [Y] DE 2249115 A1 19740411 - BANNING AG J
- [A] DE 2910174 A1 19800925 - BENTELER WERKE AG
- [A] DE 2101162 A1 19720720
- [A] US 3261193 A 19660719 - HARTEN HERBERT VAN

Cited by  
EP0990471A1; FR2746682A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0257182 A2 19880302**; **EP 0257182 A3 19880511**; **EP 0257182 B1 19910724**; CA 1297392 C 19920317; DE 3627502 A1 19880218; DE 3627502 C2 19950614; DE 3771608 D1 19910829; US 4788845 A 19881206

DOCDB simple family (application)  
**EP 87104357 A 19870324**; CA 541861 A 19870713; DE 3627502 A 19860813; DE 3771608 T 19870324; US 7396187 A 19870715