

Title (en)

Method for forming workpieces

Title (de)

Verfahren zum Verformen von Werkstücken

Title (fr)

Procédé de formage de pièces

Publication

EP 1657007 A1 20060517 (DE)

Application

EP 05024456 A 20051109

Priority

DE 102004054324 A 20041110

Abstract (en)

Molding apparatus for shaping the walls of pipes (2) comprises a female mold (4), into which the pipe fits. The pipe is partially filled with a hydraulic medium (7) and a piston (3) is inserted which presses the medium against an ejector block (10) and bends the pipe wall into a cavity (5) in the mold. An independent claim is included for a method for molding pipes using the apparatus.

IPC 8 full level

B21D 26/037 (2011.01); **B21D 26/043** (2011.01); **B21D 26/045** (2011.01)

CPC (source: EP)

B21D 26/037 (2013.01); **B21D 26/043** (2013.01); **B21D 26/045** (2013.01)

Citation (applicant)

- US 2770874 A 19561120 - LINDOW ARTHUR L
- US 5445001 A 19950829 - SNAVELY GARY L [US]
- JP H07124269 A 19950516 - SHIYOUKASEN KIKO KK
- EP 0740969 A1 19961106 - RASSELSTEIN HOESCH GMBH [DE]
- JP S5680329 A 19810701 - ABE KAORU

Citation (search report)

- [X] US 2770874 A 19561120 - LINDOW ARTHUR L
- [DA] EP 0906800 A1 19990407 - SCHAEFER HYDROFORMING GMBH [DE]
- [A] US 5445001 A 19950829 - SNAVELY GARY L [US]
- [A] EP 0760264 A1 19970305 - BENTELER WERKE AG [DE]

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CN102601206A; US11298737B2; EP3571006B1

Designated contracting state (EPC)

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