

Title (en)  
BENDING MACHINE

Title (de)  
BIEGEMASCHINE

Title (fr)  
PRESSE-PLIEUSE

Publication  
**EP 2674232 B1 20170510 (EN)**

Application  
**EP 12744487 A 20120207**

Priority  
• JP 2011025800 A 20110209  
• JP 2012052761 W 20120207

Abstract (en)  
[origin: EP2674232A1] A bending machine (1) includes a frame (2) that has a punch-side frame section (23) and a die-side frame section (25), a punch holder (8) provided on the punch-side frame section (23), a die holder (10) provided on the die-side frame section (25), a pressing mechanism (3) for pressing a punch (6) toward a die (7), a first deflection detector (11) for detecting a displacement of the punch (6), a second deflection detector (42) for detecting an actual displacement of the punch (6), and a controller (5); and the controller (5) previously stores a relation between a deflection of the frame (2) and a bending length, material and a sheet thickness of a sheet material, calculates an actual deflection of the frame (2) by subtracting a detection value of the second deflection detector (42) from a detection value of the first deflection detector (11), gets a target deflection of the frame (2) for bending a sheet material to be bent based on the relation stored, and controls the pressing mechanism (3) so that the actual deflection becomes consistent with the target deflection.

IPC 8 full level  
**B21D 5/02** (2006.01)

CPC (source: EP US)  
**B21D 5/004** (2013.01 - EP US); **B21D 5/0272** (2013.01 - EP US); **B21D 22/02** (2013.01 - US)

Cited by  
CN105598222A; CN105598219A; WO2021119704A1

Designated contracting state (EPC)  
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