

Title (en)

Numeric control machine for the cold forming of sheet metal parts

Title (de)

Numerisch gesteuerte Maschine zum Kaltformen von Blechteilen

Title (fr)

Machine à commande numérique de formage à froid des parts en tôle

Publication

**EP 1452249 A3 20051116 (EN)**

Application

**EP 04004429 A 20040226**

Priority

IT TO20030144 A 20030228

Abstract (en)

[origin: EP1452249A2] The machine (10) comprises a blankholder (11) and a tool (12) for applying a clamping force and a forming force, respectively, on the sheet metal part (13) to be worked, and a drive system (15, 16) for moving the blankholder (11) and the tool (12). The drive system includes: first and second electro-mechanical actuator devices (15, 16) for controlling the motion of the blankholder (11) and of the tool (12), respectively; sensor means (34, 35, 36, 37) associated to the said first and second actuator devices (15, 16) for sensing the linear position thereof and/or the force applied thereby and for providing signals representative of the sensed measures; and a control unit (40) for receiving as input the signals coming from the said sensor means (34, 35, 36, 37) and for producing as output command signals for the actuator devices (15, 16) as a function of the said input signals, according to a closed loop control configuration. <IMAGE>

IPC 1-7

**B21D 19/08**

IPC 8 full level

**B21D 19/08** (2006.01)

CPC (source: EP)

**B21D 19/08** (2013.01)

Citation (search report)

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