

Title (en)
PUNCHING AND STAMPING MACHINE

Title (de)
STANZ- UND PRÄGEMASCHINE

Title (fr)
MACHINE D'ESTAMPAGE-MATRI AGE

Publication
EP 1603693 A1 20051214 (DE)

Application
EP 03706197 A 20030317

Priority
CH 0300172 W 20030317

Abstract (en)
[origin: WO2004082862A1] The invention relates to a punching and/or stamping device comprising a preferably axially displaceable drive shaft (1) for a workpiece holder (3) which grips the workpiece (2) to be machined. Said device also comprises a hydraulic cylinder (7) which actuates the die (5), displacing it towards a die plate (6) at an adjusted or adjustable angle < in relation to the drive shaft (1) or the workpiece axis. The cylinder (7) is hydraulically actuated by means of a piston pump (8) which is connected to another drive shaft (10) by means of a connecting rod (9). The two drive shafts (1,10) are preferably respectively connected to an independent drive and are coupled together in a synchronised manner by numeric control. Preferably, the die plate (6) moves back or forth in relation to the workpiece holder (3) in a linearly guided carriage (11), the carriage being preferably connected to the drive shaft (10) of the piston pump (8) by means of cam actuation.

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