

Title (en)
PUNCHING AND BENDING MACHINE FOR WIRES AND STRIPS

Publication
EP 0258329 B1 19910710 (DE)

Application
EP 87901343 A 19870221

Priority
DE 3606036 A 19860225

Abstract (en)
[origin: WO8704954A1] A carriage unit (10) particularly for a punching and bending machine comprising a plurality of carriages cooperating for the non-cutting shaping or forming of a workpiece. There is also disclosed a device comprised of a plurality of carriage units (10, 12, 13, etc.) of this type. Each carriage is driven by its own servo-motor which is mounted on a platen guiding the carriage. The carriage units (10) are fixed by means of fixing brackets (6, 7) to a fixed base plate (1) which has preferably T-shaped grooves (2) on both sides. All the servo-motors are synchronously regulated or program controlled.

IPC 1-7
B21F 1/00

IPC 8 full level
B21D 28/04 (2006.01); **B21F 1/00** (2006.01)

CPC (source: EP US)
B21F 1/00 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8704954 A1 19870827; AU 594751 B2 19900315; AU 7032287 A 19870909; DE 3606036 A1 19870827; DE 3606036 C2 19880128; EP 0258329 A1 19880309; EP 0258329 B1 19910710; JP S63502413 A 19880914; US 4862717 A 19890905

DOCDB simple family (application)
DE 8700058 W 19870221; AU 7032287 A 19870221; DE 3606036 A 19860225; EP 87901343 A 19870221; JP 50130587 A 19870221; US 12386087 A 19871224