

Title (en)

Multiple tool bending head for a wire bending machine.

Title (de)

Biegekopf mit Mehrfachwerkzeugen für eine Drahtbiegemaschine.

Title (fr)

Tête de cambrage à outils multiples pour machine à cambrer les fils métalliques.

Publication

**EP 0517637 B1 19950517 (FR)**

Application

**EP 92440072 A 19920605**

Priority

FR 9107101 A 19910606

Abstract (en)

[origin: EP0517637A1] A cylindrical casing (1) encloses a cage (2) which can rotate, under the action of a geared motor (22), about an axis perpendicular to the wire-passage axis, the cage (2) comprising, at its periphery, shafts (3, 4) sliding in housings (23, 24) in the said cage (2), and each comprising, at their end opposite that carrying the tool (41, 31), a peripheral groove (33, 43) in which passes the internal circumference of a ring (16) which is firmly attached to the casing (1) and to which is fixed a thrust cylinder (13) whose rod (14) can traverse the casing (1) via a slot (15) so as to be able to cause the shaft facing the corresponding housing of the cage (2) to slide, the end of the rod (14) of the thrust cylinder (13) being firmly attached to a cut-out portion (17) of the ring (16), which can be disconnected from the said ring (16), a geared motor (10) enabling, on the other hand, the shafts (3, 4) to be rotationally driven. <IMAGE>

IPC 1-7

**B21F 1/00; B21F 35/00**

IPC 8 full level

**B21F 1/00** (2006.01)

CPC (source: EP US)

**B21F 1/00** (2013.01 - EP US)

Cited by

EP2902132A1; CN105798198A; CN110961548A; CN111745084A; US9682417B2; WO9926739A1

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0517637 A1 19921209; EP 0517637 B1 19950517**; AT E122590 T1 19950615; AU 1906392 A 19930108; AU 705603 B2 19990527; CA 2110798 A1 19921210; CA 2110798 C 20020917; DE 69202517 D1 19950622; DE 69202517 T2 19951005; DK 0517637 T3 19950911; ES 2073269 T3 19950801; FR 2677282 A1 19921211; FR 2677282 B1 19931022; GR 3017038 T3 19951130; US 5349838 A 19940927; WO 9221455 A1 19921210; ZA 924120 B 19930224

DOCDB simple family (application)

**EP 92440072 A 19920605**; AT 92440072 T 19920605; AU 1906392 A 19920605; CA 2110798 A 19920605; DE 69202517 T 19920605; DK 92440072 T 19920605; ES 92440072 T 19920605; FR 9107101 A 19910606; FR 9200511 W 19920605; GR 950402151 T 19950804; US 94965092 A 19921204; ZA 924120 A 19920605