

Title (en)

APPARATUS FOR BENDING STRAIGHT WIRES INTO A ZIG-ZAG FORM, IN PARTICULAR FOR MACHINES FOR MAKING DIAGONAL NETWORK

Publication

**EP 0053601 B1 19840801 (DE)**

Application

**EP 81890172 A 19811020**

Priority

AT 588580 A 19801202

Abstract (en)

[origin: US4444227A] A mechanism for bending a coplanar family of straight wires into zig-zags comprises deflector rollers for feeding the family of wires longitudinally in parallel with one another, bars adapted to be displaced transversely to the wires and carrying wire deflector pins, and a control device for moving the bars alternately in opposite directions transversely of the wires. In order to avoid sliding of the wires against the deflector pins during the bending operation, each bar is hinged to the one ends of at least two parallel bearer arms of equal length and pivotally supported about axes running perpendicular to the plane of bend. During each bending operation only one bar at a time can be displaced transversely by means of the control device to carry out a working stroke.

IPC 1-7

**B21F 1/04**; **B21F 27/10**

IPC 8 full level

**B21D 7/024** (2006.01); **B21F 1/04** (2006.01); **B21F 27/10** (2006.01)

CPC (source: EP US)

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**EP 0053601 A1 19820609**; **EP 0053601 B1 19840801**; AT 372632 B 19831025; AT A588580 A 19830315; DD 201859 A5 19830817; DE 3165254 D1 19840906; JP H0119982 B2 19890413; JP H01284444 A 19891115; JP H0317572 B2 19910308; JP S57118838 A 19820723; US 4444227 A 19840424

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**EP 81890172 A 19811020**; AT 588580 A 19801202; DD 23509381 A 19811124; DE 3165254 T 19811020; JP 19299181 A 19811202; JP 29484088 A 19881124; US 32001181 A 19811110