

Title (en)

WIRE STRAIGHTENING SYSTEM AND METHOD FOR STRAIGHTENING WIRES BY MEANS OF THE WIRE STRAIGHTENING SYSTEM

Title (de)

DRAHTRICHTANLAGE UND VERFAHREN ZUM AUSRICHTEN VON DRÄHTEN MITTELS DER DRAHTRICHTANLAGE

Title (fr)

INSTALLATION DE DRESSAGE DE FILS ET PROCÉDÉ POUR LE DRESSAGE DE FILS AU MOYEN DE L'INSTALLATION DE DRESSAGE DE FILS

Publication

**EP 3600712 B1 20240821 (DE)**

Application

**EP 18719416 A 20180316**

Priority

- AT 502172017 A 20170320
- AT 2018060068 W 20180316

Abstract (en)

[origin: WO2018170525A1] The invention relates to a wire aligning system (1) for aligning a wire (2), comprising: - a machine frame (4); - a tool receiving area (5); - at least two aligning tools (10) for different wire diameters, said aligning tools being received in the tool receiving area (5) in a rotatable manner with respect to parallel tool axes (14), wherein the aligning tools (10) are arranged on the tool receiving area (5) at a distance (43) from the central rotational axis (6), and the individual aligning tools (10) can be adjusted between a rest position and an aligning position by rotating the tool receiving area (5) about the central rotational axis (6); - a drive motor (19) for driving the aligning tools (10); and - a torque transmission unit (18) for each aligning tool (10), said torque transmission unit being designed to transmit a torque between the drive motor (19) and the respective aligning tool (10). The tool receiving area (5) is designed such that the wire (2) remains in the aligning tools (10) while adjusting the aligning tools (10) between the rest position and the aligning position.

IPC 8 full level

**B21F 1/02** (2006.01)

CPC (source: AT EP)

**B21F 1/02** (2013.01 - AT); **B21F 1/023** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2018170525 A1 20180927**; AT 519813 A1 20181015; EP 3600712 A1 20200205; EP 3600712 B1 20240821; EP 3600712 C0 20240821

DOCDB simple family (application)

**AT 2018060068 W 20180316**; AT 502172017 A 20170320; EP 18719416 A 20180316