

Title (en)  
Straightening machine.

Title (de)  
Richtmaschine.

Title (fr)  
Machine de redressage.

Publication  
**EP 0012829 A1 19800709 (DE)**

Application  
**EP 79104472 A 19791113**

Priority  
DE 2855014 A 19781220

Abstract (en)  
[origin: ES8101422A1] A machine for straightening elongated workpieces comprises a plurality of straightening rolls mounted one after the other to opposite sides of a workpiece to be straightened, substantially in a plane and turnable about axes normal to the direction of movement to the workpiece through the machine. At least the first three straightening rolls are mounted for rotation about their axes on a C-shaped support frame so that the workpiece may be introduced between the same from the open side of the C-shaped support frame. Lateral elements for centralizing the workpiece are coordinated with the first three straightening rolls. The second straightening roll and the centralizing elements coordinated therewith are movable in the aforementioned plane in a direction away from the first and the third roll through a large stroke accomplished by a quick adjusting mechanism, and to further facilitate lateral introduction of a workpiece from the open side of a C-shaped machine frame between the first three rolls, the centralizing element at this one side of the second roll can be tilted preferably about an axis parallel to that of the second roll in upward direction. The first three rolls and the elements cooperating therewith are preferably constructed as an independent machine unit.

Abstract (de)  
Richtmaschine (1) mit einer Vielzahl von in einer Ebene hintereinander versetzt auf gegenüberliegenden Seiten des Werkstücks angeordneten Richtrollen (2....8, 14....16), deren Drehachsen rechtwinklig zur Durchlaufrichtung des Werkstücks (23) ausgerichtet sind. Zumindest den ersten drei Richtrollen (14....16) kann das Werkstück (23) von der Seite her zugeführt werden (C-förmiger Maschinenaufbau). Den ersten drei Richtrollen (14....16) sind seitliche Stützelemente (19....22) zum Zentrieren des Werkstücks (23) zugeordnet. Die zweite Rolle (15) und die damit verbundenen Stützelemente (20,21) haben einen besonders großen Hub, der durch eine Schnellverstelleinrichtung bewirkt wird. Ein Stützelement (20) an der zweiten Rolle (15) ist zur Erleichterung der seitlichen Zuführung wegklappbar. Die ersten drei Richtrollen (14....16) sind vorzugsweise als selbständige Maschineneinheit (25) gebildet.

IPC 1-7  
**B21D 3/05**

IPC 8 full level  
**B21D 3/02** (2006.01); **B21D 3/05** (2006.01)

CPC (source: EP US)  
**B21D 3/05** (2013.01 - EP US)

Citation (search report)

- DE 2455254 B2 19780309
- DE 2416148 B2 19750918
- GB 1309115 A 19730307 - WEAN UNITED INC
- DE 2540731 A1 19770317 - MANNESMANN AG
- US 3756056 A 19730904 - DOBROTT W

Designated contracting state (EPC)  
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**EP 0012829 A1 19800709; EP 0012829 B1 19830126**; AT E2302 T1 19830215; DD 148014 A1 19810506; DE 2855014 A1 19800703; DE 2964646 D1 19830303; ES 487131 A0 19801216; ES 8101422 A1 19801216; HU 179998 B 19830128; JP S5586623 A 19800630; JP S5752126 B2 19821105; US 4286452 A 19810901

DOCDB simple family (application)  
**EP 79104472 A 19791113**; AT 79104472 T 19791113; DD 21786079 A 19791219; DE 2855014 A 19781220; DE 2964646 T 19791113; ES 487131 A 19791220; HU KI000790 A 19791218; JP 16678279 A 19791220; US 10232379 A 19791210