

Title (en)  
WIRE-ROLLING MILL

Publication  
**EP 0307603 B1 19921202 (DE)**

Application  
**EP 88112610 A 19880803**

Priority  
DE 3730745 A 19870912

Abstract (en)  
[origin: US4891963A] The wire rolling mill has a plurality of roughing stands, a cropping shears, a finishing block, a coiler with a coiler pipe and a coiler drive including a coiler motor and a coiler gear unit and a delivery conveyor for the finished wire deposited in coils. The wire rolling mill also has a controller with a computer which controls the cropping shears with a predetermined rolling program by a computer shear command. The cropping shears cuts away a cropped length from the rolled wire rod workpiece prior to entry in the finishing block defined in the computer shear command thus producing a wire head to be deposited in coils. The cropped length of the wire is put in line with the position of the coiler. The coiler is provided with a rotation angle position transmitter operating with digital pulses which is connected with the controller and whose angular position corresponds to the coiler pipe positions. The controller combines the computer shear command and the digital pulses by an electronic AND-circuit into a shear positioning command and the cropping shears responds to the shear positioning command.

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IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
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**US 4891963 A 19900109**; AT E82882 T1 19921215; EP 0307603 A2 19890322; EP 0307603 A3 19900613; EP 0307603 B1 19921202; ES 2036632 T3 19930601; GR 3006864 T3 19930630; JP H067961 B2 19940202; JP S6471501 A 19890316

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**US 23921388 A 19880831**; AT 88112610 T 19880803; EP 88112610 A 19880803; ES 88112610 T 19880803; GR 930400118 T 19930121; JP 21087588 A 19880826