

Title (en)

Roll-forming machine with at least one holder for a forming roller.

Title (de)

Drückmaschine mit wenigstens einem Rollenhalter.

Title (fr)

Machine de formage par repoussage comportant au moins un porte-galet presseur.

Publication

EP 0491212 B1 19940323 (DE)

Application

EP 91120670 A 19911202

Priority

DE 4040300 A 19901217

Abstract (en)

[origin: EP0491212A1] The invention relates to a roll-forming machine with at least one holder for a forming roller, the holder being held replaceably against a slide arrangement by a pressure roller rotatably supported by the said holder. The slide arrangement allows displacement of the pressure roller in at least two coordinate directions relative to a workpiece to be deformed by pressing, which can be held on a rotatably drivable spindle of the roll-forming machine by a rotationally symmetrical shaping tool, the roll-forming machine being equipped with a device which limits the force which can be exerted by the forming roller on the workpiece. <??>The new roll-forming machine is characterised in that - the roll holder (1) is designed with two holder parts (2, 3) which can be displaced relative to one another by sliding, one of which is designed as a fixed holder part (2) which can be connected to the slide arrangement (4) and the other is designed as a displaceable holder part (3) which carries the forming roller (10), - one holder part (2) is designed with a cylinder (20) which can be supplied with a pressure medium, - the other holder part (3) is designed with a piston (30) which can be subjected to a predeterminable force in the direction of extension by the pressure medium and - the forming roller (10) can be dynamically deflected by a force transferred to it from the workpiece (30). <IMAGE>

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CPC (source: EP US)

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Cited by

CN102069122A; DE19856738C1; US8288412B2; WO2005075436A2; US8344000B2; US8288413B2; US8283364B2; WO2007107565A1

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