

Title (en)
Radial die-rolling machine.

Title (de)
Radial-Gesenkwalzmaschine.

Title (fr)
Laminoir radial à matrice.

Publication
EP 0371220 B1 19950118 (DE)

Application
EP 89117268 A 19890919

Priority
• DE 3840020 A 19881126
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Abstract (en)
[origin: EP0371220A2] The invention relates to a radial die-rolling machine in which the roll groove is formed by a radially acting die ring on the outside, a radially acting, fixed and non-displaceable arbor roll entering the workpiece from below, an axially acting arbor-roll plate which closes off the roll groove from below and an axially acting bevel roll which defines the roll groove from above and swings away radially and axially. The rolling plane is inclined. The loading and unloading is considerably facilitated. Since rolling plane, rolling slide guide, groove mounting and feed cylinder lie in one plane, optimum radial die rigidity results. Since the workpiece ejector and the arbor-roll mounting are arranged on one side, namely below the workpiece, the arbor roll can be constructed to be fixed and therefore need not be moved for loading and unloading. This likewise increases the rigidity in the roll groove and necessitates only one infeed axis. The distance between the fixed arbor roll and the receiving point for the workpiece blank is always the same. This permits unloading of the rolling machine by a simple swivelling mechanism. In addition, high annular parts (bushes) can be produced.

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B21H 1/06

IPC 8 full level
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CPC (source: EP)
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Cited by
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