

Title (en)

Four-roller type sizing mill apparatus for producing round steel rods

Title (de)

Vier-Rollen Masswalzwerk zur Herstellung von rundförmigen Stahlstäben

Title (fr)

Laminoir calibreur à quatre rouleaux pour fabriquer des barres circulaires en acier

Publication

**EP 0549896 B1 19980311 (EN)**

Application

**EP 92120233 A 19921126**

Priority

- JP 22006592 A 19920819
- JP 30725692 A 19921117
- JP 31677891 A 19911129

Abstract (en)

[origin: EP0549896A1] A four-roller type sizing mill apparatus for forming round steel rods (w), comprises two four-roller mills (16,17) each having two pair of facing rollers. One pair of facing rollers (1,2) is arranged in rolling direction perpendicular to the rolling direction of the other pair of rollers (3,4). The two four-roller mills are arranged in line, with the rolling direction of one of the two four-roller mills being shifted by 45 DEG from the rolling direction of the other four-roller mill. The two pair of rollers of a first four-roller mill positioned closer to the rolling material inlet are separated from each other by a distance (L) which is greater than zero and not greater than five times the projected contact length (ld) of one of the pair of rollers positioned closer to the rolling material inlet. The distance is measured between a first standard straight line (O1) which passes through the centers of one of the pair of rollers (1,2) and lies on a plane parallel to the side surfaces of the same pair of rollers and a second standard straight line (O2) obtained by projecting the axes of the other pair of rollers (3,4) onto the above-mentioned plane. <IMAGE>

IPC 1-7

**B21B 1/18**; B21B 13/12

IPC 8 full level

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CPC (source: EP)

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Cited by

CN103658172A; US6128939A; EP0865836A3; DE10207176A1; EP1338350A3; CN113083888A; US6216517B1; WO9925499A1

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