

Title (en)

ROLLING METHOD AND ROLLING MACHINE

Publication

**EP 0342408 B1 19930811 (EN)**

Application

**EP 89107705 A 19890427**

Priority

JP 11931388 A 19880518

Abstract (en)

[origin: EP0342408A1] A workpiece to be rolled is formed in its surface with a large number of recesses for retaining a lubricating fluid therein, and then the workpiece is rolled while the lubricating fluid is confined in the recesses. A rolling machine comprising a rolling mill further includes a recess impressing unit for forming a large number of recesses in the surface of the workpiece, which is provided on the inlet side of the rolling mill. The recess impressing unit includes a pair of pinch rolls formed with a large number of projections. The rolling machine further includes a nozzle for spraying the lubricating fluid which is provided on the inlet side of work rolls for rolling.

IPC 1-7

**B21B 15/00**; **B21B 27/00**; **B21B 45/02**; **B21H 7/00**; **B21H 8/00**

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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**EP 0342408 A1 19891123**; **EP 0342408 B1 19930811**; BR 8902304 A 19900109; CN 1020552 C 19930512; CN 1038601 A 19900110; DE 68908264 D1 19930916; DE 68908264 T2 19931216; JP 2563478 B2 19961211; JP H01289503 A 19891121; KR 900017674 A 19901219; KR 930008326 B1 19930830

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