Title (en)

Dual roll cross-rolling mill and method for rolling hollow billets of high-alloy steels

Title (de)

2-Walzen-Schrägwalzwerk und Verfahren zur Herstellung von Hohlblöcken aus hochlegierten Stählen

Title (fr)

Laminoir à deux cylindres obliques et méthode de laminer des blocs creux en aciers hautement alliés

Publication

EP 1023952 B1 20020522 (DE)

Application

EP 00250015 A 20000118

Priority

DE 19903974 A 19990126

Abstract (en)

[origin: US6260396B1] A 2-roll piercing mill for producing hollow blocks from a rolled material comprising high alloy steels has guide tools for the rolled material. The guide tools are arranged for closing a reforming zone of the piercing mill transversely with respect to the rolling axis as the hollow block is pierced. In this arrangement, each of the guide tools includes a base body made of a carrier material and a working face made of a material that has antiadhesive properties with respect to high alloy steels and high hot strength. Prior to the piercing operation, the temperature of either the working face or the entire guide tool is raised above room temperature to avoid high thermal stresses.

IPC 1-7

B21B 19/04; B21B 19/02; B21B 25/00

IPC 8 full level

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CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 49182200 A 20000126; AT 00250015 T 20000118; DE 19903974 A 19990126; DE 50000172 T 20000118; EP 00250015 A 20000118; ES 00250015 T 20000118; JP 2000012797 A 20000121