

Title (en)

CROSS-ROLLING MILL WITH HYDRAULIC ROLLER ACTUATOR

Title (de)

SCHRÄGWALZWERK MIT HYDRAULISCHER WALZENANSTELLUNG

Title (fr)

LAMINOIR À CYLINDRES OBLIQUES À AJUSTEMENT HYDRAULIQUE DES CYLINDRES

Publication

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Application

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Abstract (en)

[origin: WO2019206958A1] The invention relates to a cross-rolling mill (11) for rolling a block over a mandrel so as to form a hollow block, comprising a plurality of working rollers (1, 2), each of which exerts a substantially radially aligned rolling force onto the block. The working rollers are supported in a roll stand, and the gap between the working rollers and preferably also the alignment of the rolling axis of at least one of the working rollers relative to the block can be modified. Hydraulic actuators (8, 9), preferably hydraulic capsules, are provided in order to modify the rolling gap and preferably also the alignment of the rolling axis of at least one of the working rollers relative to the block. The invention additionally relates to a method for producing a hollow block out of a block using a cross-rolling mill (11) for rolling a block over a mandrel. The cross-rolling mill comprises a plurality of working rollers (1, 2), each of which exerts a substantially radially aligned rolling force onto the block. The working rollers are supported in a roll stand, and the gap between the working rollers and preferably also the alignment of the rolling axis of at least one of the working rollers relative to the block can be modified. Hydraulic actuators (8, 9), preferably hydraulic capsules, modify the rolling gap and preferably also the alignment of the rolling axis of at least one of the working rollers relative to the block during the rolling process.

IPC 8 full level

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Citation (examination)

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