

Title (en)
SECTOR SHAPED SECTION CONTINUOUS CASTING MACHINE FOR HEAVY REDUCTION AND CORRESPONDING HEAVY REDUCTION METHOD

Title (de)
SEGMENTABSCHNITT STRANGGIESSMASCHINEN ZUM STARK REDUKTION UND ENTSPRECHENDES STARK REDUKTIONSVERFAHREN

Title (fr)
MACHINE DE COULÉE CONTINUE À SEGMENTS POUR RÉDUCTION FORTE ET PROCÉDÉ CORRESPONDANT

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Application
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Abstract (en)
[origin: EP3167974A1] The present invention provides a sector-shaped section of a continuous casting machine for heavy reduction of a solidified terminal of a continuously cast slab and a heavy reduction method. The sector-shaped section of a continuous casting machine comprises an upper frame, a lower frame, an upper driving roller, a lower driving roller, a left driven roller set, a right driven roller set, a screw-down gear and clamping cylinders which are positioned on the sector-shaped section; the clamping cylinders are used for clamping the upper frame and the lower frame and keeping the upper frame and the lower frame at a set interval; the upper driving roller is connected with the screw-down gear; the upper driving roller is connected to the upper frame through a bearing base; the lower driving roller is connected to the lower frame through a bearing base; the left driven roller set and the right driven roller set, are respectively positioned on two sides of the driving rollers; the left driven roller set is used for clamping the cast slab before reduction; the right driven roller set is used for clamping the cast slab after reduction; and the diameter ratio of the driving rollers to the driven rollers is 1.1:1-2:1. The deformation permeability of the present invention is increased, equivalent to the deformation of one rolling pass of a two-roller mill with a relatively large roller diameter, which facilitates improvement on the looseness and segregation of the center area of the continuously cast slab.

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