

Title (en)

CATERPILLAR CASTING MACHINE AND METHOD FOR PRODUCING A CAST MATERIAL FROM LIQUID METAL

Title (de)

RAUPENGIESSMASCHINE UND VERFAHREN ZUM HERSTELLEN EINES GIESSGUTS AUS FLÜSSIGEM METALL

Title (fr)

MACHINE DE COULÉE À CHENILLES ET PROCÉDÉ DE PRODUCTION D'UN PRODUIT COULÉ À PARTIR DE MÉTAL LIQUIDE

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Application

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Priority

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Abstract (en)

[origin: WO2018099829A1] The invention relates to a caterpillar casting machine (10) for producing a cast material (11) from liquid metal, comprising two guide rails (12), which are used to form two endless horizontal circulating tracks (U) arranged opposite each other, and a plurality of support elements (14), which are each guided on the guide rails (12) with cooling blocks (16) attached thereto such that a continuous chain of support elements (14) is formed, which support elements are moved in a transport direction (T) along the circulating tracks (U), wherein between the cooling blocks (16), which arrive at the opposite position in straight sections of the circulating tracks (U) of the guide rails (12), a moving casting mould (18) for the cast material (11) is formed. The caterpillar casting machine (10) also comprises a cooling device (20), which has separate cooling zones (22) each with at least one cooling nozzle (23), wherein the cooling zones (22) can be individually controlled along the transport direction (T) and/or transverse to the transport direction (T) to adjust an opening or closing of the cooling nozzles (23).

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