

Title (en)  
COOLED CONTINUOUS CASTING MOLD

Title (de)  
GEKÜHLTE STRANGGIESSKOKILLE

Title (fr)  
COQUILLE REFROIDIE, DESTINEE A LA COULEE CONTINUE

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Application  
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Abstract (en)  
[origin: US2009199993A1] The invention relates to a cooled continuous casting mold (1) for casting metal, especially steel, which has a casting format (GF) that is defined by respective two opposite broad faces (2, 3) and small faces (4, 5). The broad faces (2, 3) have a cooling area (6) which designed for the maximum casting width and comprises a plurality of cooling channels (7) extending in the direction of casting and being connected to a coolant circuit. The small faces (4, 5) can be adjusted to a predetermined casting format having a corresponding casting width. The aim of the invention is to provide a continuous casting mold for slab formats, especially thin slabs, which allows to adjust an even working end temperature of the broad sides and especially to reduce a considerable temperature drop in the neighborhood of the small faces while at the same time allowing to adjust different casting formats, especially smaller casting formats as compared to the maximum casting format. For this purpose, the cooling channels (7) and/or the inlet and/or outlet channels (8) of the mold cooling system can be at least partially blocked in the area of the adjustable small faces (4, 5).

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