Title (en)

INGOT MOULD FOR QUENCHING METALS AND INGOTS THUS OBTAINED

Title (de)

KOKILLE ZUM ABSCHRECKEN VON METALLEN UND SO ERHALTENE BLÖCKE

Title (fr)

LINGOTIERE A METAUX A REFROIDISSEMENT RAPIDE ET LINGOTS SUSCEPTIBLES D ETRE OBTENUS AVEC CELLE-CI

Publication

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Application

EP 04711629 A 20040217

Priority

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Abstract (en)

[origin: US2006137847A1] An ingot mold for metals which is intended for the production of an ingot through the cooling and solidification of a liquid metal mass. The mold includes a wall which defines a base and an inner surface having a part S, known as the cooling surface, which can discharge all or part of the heat energy released by the metal mass during the cooling and solidification thereof. The cooling surface S includes at least one flat surface element Si which forms all or part of the base (4) of the ingot mold. There is also at least one point C on a plane Pi which is tangential to each surface element Si, such that all of the segments of a straight line D connecting every point R of the cooling surface S to point C are only located inside the mold. Further, the total area of surface elements Si is at least equal to 10% of the surface S. The ingot mold can be used to accelerate the production of ingots.

IPC 8 full level

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