

Title (en)

APPARATUS FOR CONTINUOUS CASTING OF METAL STRIP

Publication

EP 0363702 B1 19921216 (EN)

Application

EP 89117471 A 19890921

Priority

JP 24399488 A 19880930

Abstract (en)

[origin: EP0363702A1] Proposed herein is a twin roll continuous casting apparatus for continuously casting a metal strip through a gap of a pair of internally cooled rolls (1) rotating in the opposite direction to each other having a pair of side dams (2) disposed on both sides of the rolls (1) and a pair of longitudinal dams (3) disposed with their bottom surfaces (11) held slightly above the roll surfaces (1) so that openings are formed between the bottom surfaces (11) of the longitudinal dams (3) and the roll surfaces (1) and that during stationary running of the apparatus the openings are positioned at a level (5) of the surface of molten metal in the pool. The longitudinal dams (3) are capable of preventing formation of triple point solidified shells and make it possible that the surface of molten metal may come in contact with the surfaces of the rolls (1) while forming the transversely uniform contacting edges, and therefore, the proposed apparatus is productive of metal strips having enhanced surface quality which are substantially free from molten metal wrinkles. The advantages are further promoted by using the herein described pouring device (4) having the slit-shaped nozzle (8).

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