

Title (en)
CASTING STEEL STRIP

Title (de)
GIESSEN EINES STAHLBANDES

Title (fr)
COULEE D'UNE BANDE D'ACIER

Publication
EP 1100638 A1 20010523 (EN)

Application
EP 99938060 A 19990806

Priority
• AU 9900641 W 19990806
• AU PP515198 A 19980807

Abstract (en)
[origin: WO0007753A1] In twin roll casting of steel strip, molten steel is introduced into the nip between parallel casting rolls (16) to create casting pool (30) supported on casting surfaces (16A) of the rolls and the rolls are rotated to deliver solidified strip (20) downwardly from the nip. Casting surfaces (16A) are textured by a random pattern of discrete projections having pointed peaks with a surface distribution of between 10 and 100 peaks per mm² and an average height of at least 10 microns. The random texture may be produced by grit blasting the casting surfaces on a substrate covered by a protective coating. Alternatively the texture may be produced by chemical deposition or electrodeposition of a coating onto a substrate to form the casting surfaces.

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