

Title (en)  
Casting steel strip

Title (de)  
Bandgiessverfahren

Title (fr)  
Coulé de bande métallique

Publication  
**EP 1029617 A2 20000823 (EN)**

Application  
**EP 00300852 A 20000203**

Priority  
AU PP852599 A 19990205

Abstract (en)  
In twin roll casting of steel strip, molten steel is introduced into the nip 16B 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 and the strip is moved away from the casting pool at a speed of more than 60 meters per minute. In order to suppress chatter defects, the molten steel has a manganese content of less than 0.6% by weight and a silicon content in the range of 0.1 to 0.35% by weight. 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. <IMAGE>

IPC 1-7  
**B22D 11/06**

IPC 8 full level  
**B22D 11/00** (2006.01); **B22D 11/06** (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP KR)  
**B22D 11/00** (2013.01 - KR); **B22D 11/0651** (2013.01 - EP)

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