

Title (en)

Process for production of austenitic stainless steel thin cast strip and strip obtained thereby.

Title (de)

Verfahren zur Herstellung dünner gegossener rostfreier austenitischer Stahlbänder und derart hergestellte Bänder.

Title (fr)

Procédé de production d'une bande mince coulée en acier inoxydable austénitique et bande ainsi obtenue.

Publication

EP 0481481 B1 19940608 (EN)

Application

EP 91117741 A 19911017

Priority

JP 27909790 A 19901019

Abstract (en)

[origin: EP0481481A1] Disclosed is a process for the production of an austenitic stainless steel thin cast strip having an excellent surface quality, which comprises casting an austenitic stainless steel, in which delta -Fecal. (%), defined by $3(\text{Cr} + 1.5\text{Si} + \text{Mo}) - 2.8(\text{Ni} + 0.5\text{Mn} + 0.5\text{Cu}) - 84(\text{C} + \text{N}) - 19.8$, is controlled to 5 to 9%, by a continuous casting machine, in which a thin cast strip is moved synchronously with the wall surface of a cooling drum, on which many dimples having a diameter of 0.1 to 1.2 mm and a depth of 50 to 100 μm and having a circular or ellipsoidal opening are distributed so that the distance between every two adjacent dimple edges is smaller than 0.35 mm, into a thin cast strip having a thickness smaller than 10 mm. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR)

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Cited by

CN113741337A; EP0679114A4; CN113263162A; US6044895A; US6568462B1; EP0709151A1; FR2726209A1; AU689632B2; EP0796685A1; FR2746333A1; US5807444A; CN1067306C; WO9515233A1

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