

Title (en)

METHOD FOR ROLLING SUPER AUSTENITIC STAINLESS STEEL

Title (de)

VERFAHREN ZUM WALZEN VON SUPERAUSTENITISCHEM ROSTFREIEM STAHL

Title (fr)

PROCÉDÉ DE LAMINAGE D'ACIER INOXYDABLE SUPER-AUSTÉNITIQUE

Publication

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Application

EP 20866991 A 20200619

Priority

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Abstract (en)

[origin: EP4035787A1] The present invention discloses a method for rolling super austenitic stainless steel, and belongs to the technical field of steel rolling. Through technical optimization of billet selection, a steel burning process, a descaling process, a steel rolling process and a straightening process in the method, rolling of super austenitic stainless steel with the specifications of a thickness of below 10 mm and a width of above 2500 mm is achieved, and a steel plate with an N08367 grade of steel with the specifications of a thickness of 8.5 mm and widths of 2510 mm and 2610 mm is rolled successfully. This specification is the widest specification in the world under this thickness, filling a gap in a width range of 2510 to 2610 mm for the N08367 grade of steel at the thickness of 8.5 mm, moreover, a rolled plate shape is stable, and a rolling success rate reaches 95.4%. In addition, N08904 stainless steel with a thickness of 10.0 mm and a width range of 2620 to 2980 mm is further rolled successfully.

IPC 8 full level

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Citation (search report)

- [I] CN 107419194 A 20171201 - ZHENSHI GROUP EASTERN SPECIAL STEEL CO LTD
- [A] CN 104275350 A 20150114 - ZHENSHI GROUP EASTERN SPECIAL STEEL CO LTD
- See also references of WO 2021057117A1

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