

Title (en)

METHOD FOR PRODUCTION OF MARTENSITIC STAINLESS STEEL PIPE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ROHRS AUS MARTENSITISCHEM NICHTROSTENDEM STAHL

Title (fr)

PROCEDE DE FABRICATION DE TUYAUX EN ACIER INOXYDABLE MARTENSITIQUE

Publication

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Application

EP 07740291 A 20070329

Priority

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Abstract (en)

A method for producing martensitic stainless steel pipe containing by mass: 0.15 to 0.22% of C; 0.10 to 1.00% of Si; 0.10 to 1.00% of Mn; 12.00 to 14.00% of Cr; 0.01 to 0.05% of N; 0.020% or less of P; 0.010% or less of S; and the balance being Fe and impurities. The manufactured martensitic stainless steel pipe is cooled down to a range from 135 to 175°C on the pipe outer surface by air, and the edges of the pipe are then cut. This production method keeps the cracking susceptibility of the pipe at a low level, and cutting the pipe in the specified temperature range prevents forming cracks and burrs on the cutting surface.

IPC 8 full level

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