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(54) **12Cr alloy steel for a turbine rotor**

(57) A turbine rotor material, that has sufficient corrosion resistance and stress corrosion cracking resistance and appropriate strength and toughness in a good balance, and a manufacturing method thereof are provided. The turbine rotor material is a 12Cr alloy steel

that contains: C of 0.01 to 0.10%, Si of 0.01 to 0.50%, Mn of 0.1 to 1.0%, Cr of 9 to 13%, Ni of 2 to 7%, Mo of 0.3 to 3%, N of 0.01 to 0.10%, all in weight percent, and remains of Fe and incidental impurities.

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EUROPEAN SEARCH REPORT

Application Number
EP 02 02 3904

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 July 2003	Examiner Vlassi, E
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