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(54) **NI-BASED ALLOY SOLID WIRE FOR WELDING**

(57) An object of the present invention is to provide a Ni base alloy solid wire for welding, which has excellent cracking resistance to ductility dip cracking in weld metal, can increase the tensile strength of the weld metal to not less than the tensile strength of the base material, and has excellent weldability. The present invention provides a solid wire which has a composition containing Cr: 27.0

to 31.5 mass%, Ti: 0.50 to 0.90 mass%, Nb: 0.40 to 0.70 mass%, Ta: 0.10 to 0.30 mass%, C: 0.010 to 0.030 mass%, and Fe: 5.0 to 11.0 mass%, and is regulated to Al: 0.10 mass% or less, N: 0.020 mass% or less, Zr 0.005 mass% or less, P: 0.010 mass% or less, S: 0.0050 mass% or less, Si: 0.50 mass% or less, and Mn: 1.00 mass% or less, with the balance including Ni and inevitable impurities.

Fig. 1

