

Title (en)
AUSTENITIC STAINLESS STEEL HAVING EXCELLENT FLEXIBILITY

Title (de)
AUSTENITISCHER EDELSTAHL MIT HERVORRAGENDER BIEGSAMKEIT

Title (fr)
ACIER INOXYDABLE AUSTÉNITIQUE PRÉSENTANT UNE EXCELLENTE FLEXIBILITÉ

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Application
EP 15873501 A 20151201

Priority

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Abstract (en)
[origin: EP3239341A1] Austenitic stainless steels excellent in flexibility are disclosed. The austenitic stainless steel excellent in flexibility according to the present invention is characterized by comprising, by weight percent, 0.1 to 0.65% of Si, 1.0 to 3.0% of Mn, 6.5 to 10.0% of Ni, 16.5 to 18.5% of Cr, 6.0% or less of Cu (excluding 0), 0.13% or less of (C + N) (excluding 0), and the remainder comprising Fe and unavoidable impurities, wherein the work hardening formula H1 defined by the following formula is 300 or less. $H1 = \frac{459}{100} Si + \frac{79.8}{100} Mn + \frac{8.16}{100} Ni + \frac{48.0}{100} Cr + \frac{13.2}{100} Cu + 623 C + N$

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