

Title (en)

Duplex steel alloy

Title (de)

Duplexstahllegierung

Title (fr)

Alliage d'acier duplex

Publication

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Application

EP 06113879 A 20020902

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- SE 0102931 A 20010902

Abstract (en)

The present invention relates to a duplex stainless steel alloy, with high resistance to corrosion in combination with good structural stability and hotworkability. The duplex stainless steel has the following composition in percent by weight: C max 0,03% Si max 0,5% Mn 0 - 3,0% Cr 24,0 - 30,0% Ni 4,9 - 10,0% Mo 3,0 - 5,0% N 0,28 - 0,5% B 0 - 0,0030% S max 0,010% W 0 - 3,0% Cu 0 - 2,0% Ru 0 - 0,3% Al 0 - 0,03% Ca 0 - 0,010% Ti 0 - 0,35 % V 0 - 0,55 % balance Fe and normal occurring impurities

IPC 8 full level

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CPC (source: EP KR US)

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WO 03020994 A1 20030313; AT E335867 T1 20060915; AT E391192 T1 20080415; AU 2002328002 B2 20070705; AU 2002328002 B9 20080313; BR 0212270 A 20041013; BR 0212270 B1 20110531; CA 2459253 A1 20030313; CN 100465325 C 20090304; CN 1571862 A 20050126; DE 60213828 D1 20060921; DE 60213828 T2 20070301; DE 60225951 D1 20080515; DE 60225951 T2 20090409; DK 1423548 T3 20061204; DK 1722002 T3 20080728; EP 1423548 A1 20040602; EP 1423548 B1 20060809; EP 1722002 A1 20061115; EP 1722002 B1 20080402; ES 2266557 T3 20070301; ES 2300088 T3 20080601; JP 2005501969 A 20050120; JP 4234592 B2 20090304; KR 100989022 B1 20101020; KR 20040029142 A 20040403; KR 20090128568 A 20091215; MX PA04002017 A 20040708; NO 20040900 L 20040430; NO 338090 B1 20160725; OA 12657 A 20060619; PL 199387 B1 20080930; PL 368230 A1 20050321; SE 0102931 D0 20010902; SE 0102931 L 20030303; SE 524952 C2 20041026; US 2003086808 A1 20030508

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