

Title (en)

Duplex steel alloy

Title (de)

Duplexstahllegierung

Title (fr)

Alliage d'acier duplex

Publication

**EP 1722002 A1 20061115 (EN)**

Application

**EP 06113879 A 20020902**

Priority

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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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