

Title (en)

Steel for the manufacture of divisible mechanical parts and parts made from this steel

Title (de)

Stahl für die Herstellung von teilbaren Maschinenteilen und Maschinenteile, hergestellt aus diesen Stahl

Title (fr)

Acier pour la fabrication de pièces de mécanique sécables et pièce obtenue

Publication

EP 0779375 B1 20000607 (FR)

Application

EP 96402534 A 19961126

Priority

FR 9514833 A 19951214

Abstract (en)

[origin: EP0779375A1] A steel alloy comprises by weight: 0.25-0.75% carbon, 0.2-1.5% silicon, 0.1-2% manganese, 0-1% each of nickel, chromium, molybdenum and copper, 0-0.2% vanadium, 0.02-0.35% sulphur, 0.04-0.2% phosphorous, 0-0.005% and, 0.005-0.02% nitrogen. The residue is iron plus possible impurities, with possibly<0.1% of at least one of lead, tellurium and selenium. The steel may have been treated with calcium. Also claimed is the use of such steel to make a mechanical component comprising at least two parts obtained by snapping a blank, and a component so made.

IPC 1-7

C22C 38/60

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

EP1243665A1; EP1261748A4; DE19853259B4; EP0856590A3; EP3378957A1; FR3064282A1; WO2008028447A1; WO9946420A1; EP2057298A1

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