

Title (en)
FERRITIC STEEL ALLOY

Title (de)
FERRITISCHE STAHLLEGIERUNG

Title (fr)
ALLIAGE D'ACIER FERRITIQUE

Publication
EP 1546427 B1 20070418 (DE)

Application
EP 03798852 A 20030930

Priority
• CH 0300651 W 20030930
• CH 16592002 A 20021004

Abstract (en)
[origin: WO2004031430A1] Disclosed are steel alloys comprising no more than 1.00 percent by weight of silicon, 18.0 to 22.0 percent by weight of chromium, 1.80 to 2.50 percent by weight of molybdenum, 0.01 to 0.10 percent by weight of nitrogen, no more than 0.01 percent by weight of titanium, no more than 0.01 percent by weight of niobium, no more than 0.01 percent by weight of aluminum, the remainder being essentially iron. Said alloys are ferritic but polishable and have mechanical properties that nearly match those of the standard steel alloy no. 1.4521. The inventive steel alloys are processed into watch parts such as housing bottoms, housing shells, and faces, among others, such that watch housings can be produced, which also magnetically shield the clockwork.

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