

Title (en)
High-strength alloy for industrial vessels.

Title (de)
Hochfeste Legierung für Behälter für industrielle Anwendung.

Title (fr)
Alliage à résistance élevée pour récipients industriels.

Publication
EP 0155011 B2 19940706 (EN)

Application
EP 85103129 A 19850318

Priority
US 59039384 A 19840316

Abstract (en)
[origin: EP0155011A2] An austenitic nickel-iron-chromium alloy exhibiting high-strength, good corrosion resistance and having a low work hardening rate. The economic alloy is particularly useful for tubes and industrial vessels and, more particularly, heat exchangers and chemical and petrochemical equipment. The alloy includes e.g. 24 to 32% nickel, about 12 to 19% chromium, about 1 to 3.5% molybdenum, about 2 to 5.5% copper, up to about 2.5% titanium, up to about 1.5% manganese, up to about 0.1% cerium, and the balance mostly iron. Depending on the quantity of titanium, both age hardenable and non-age hardenable versions may be produced.

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IPC 8 full level
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CPC (source: EP KR)
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Cited by
EP1854901A1; EP0971045A4; EP3495526A4; EP2915893A4; US6171547B1; WO0024944A1; US7815848B2

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