

Title (en)

Method of increasing resistance to stress corrosion cracking of austenitic stainless steels

Title (de)

Verfahren zur Erhöhung der Spannungsrissskorrosionsbeständigkeit von austenitischen Edelstählen

Title (fr)

Procédé d'amélioration de la tenue à la corrosion sous contraintes des aciers inoxydables austénitiques

Publication

EP 2100977 A1 20090916 (EN)

Application

EP 09154817 A 20090311

Priority

US 4747108 A 20080313

Abstract (en)

A method of providing resistance to intergranular stress corrosion cracking in an alloy material, the method comprising sensitizing the alloy to form carbides (22), allowing the carbides to precipitate, and applying a heat treatment to replenish a chromium-depleted zone (24).

IPC 8 full level

C21D 6/02 (2006.01); **C21D 1/00** (2006.01); **C21D 6/00** (2006.01)

CPC (source: EP US)

C21D 1/26 (2013.01 - EP US); **C21D 6/004** (2013.01 - EP US); **C21D 6/02** (2013.01 - EP US); **C22C 19/05** (2013.01 - EP US); **C22C 19/058** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/40** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C21D 9/50** (2013.01 - EP US); **C21D 2211/001** (2013.01 - EP US); **C21D 2211/004** (2013.01 - EP US)

Citation (search report)

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