

Title (en)
DUPLEX STAINLESS STEEL, AND DUPLEX STAINLESS STEEL STRUCTURE, MARINE STRUCTURE, PETROLEUM/GAS ENVIRONMENT STRUCTURE, PUMP IMPELLER, PUMP CASING, AND FLOW ADJUSTMENT VALVE BODY USING SAME

Title (de)
ROSTFREIER DUPLEXSTAHL UND STRUKTUR AUS DEM ROSTFREIEN DUPLEXSTAHL, MEERESSTRUKTUR, ERDÖL/GAS-UMGEBUNGSSTRUKTUR, PUMPENLAUFRAD, PUMPENGEHÄUSE UND VENTILKÖRPER-ZUR DURCHFLUSSEINSTELLUNG DAMIT

Title (fr)
ACIER INOXYDABLE DUPLEX ET STRUCTURE EN ACIER INOXYDABLE DUPLEX, STRUCTURE MARINE, STRUCTURE POUR ENVIRONNEMENT PÉTROLIER/GAZIER, ROTOR DE POMPE, CORPS DE POMPE ET CORPS DE SOUPEPE DE RÉGLAGE DE DÉBIT UTILISANT CET ACIER

Publication
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Application
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Priority
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Abstract (en)
[origin: EP3040434A1] There is disclosed a duplex stainless steel that contains, in mass percent, N of 0.05% to 0.25%, C of 0.02% or less, P of 0.02% or less, Si of 0.5% or less, Mn of 1.2% or less, Ni of 6.0% to 8.0%, Cr of 24.0% to 26.0%, Mo of 3.0% to 5.0%, W of 6.5% or less, and Ta of 0.2% to 0.5% with the remainder being Fe and inevitable impurities. This can suppress tantalum nitride formation.

IPC 8 full level
C22C 38/00 (2006.01); **C21D 6/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/48** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP)
C21D 6/00 (2013.01); **C21D 6/004** (2013.01); **C22C 38/00** (2013.01); **C22C 38/001** (2013.01); **C22C 38/002** (2013.01); **C22C 38/004** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/06** (2013.01); **C22C 38/42** (2013.01); **C22C 38/44** (2013.01); **C22C 38/48** (2013.01); **C22C 38/58** (2013.01); **C21D 2211/001** (2013.01); **C21D 2211/005** (2013.01)

Citation (search report)

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