

Title (en)  
FERRITE-BASED STAINLESS STEEL WITH HIGH RESISTANCE TO CORROSIVENESS CAUSED BY EXHAUST GAS AND CONDENSATION AND HIGH BRAZING PROPERTIES AND METHOD FOR MANUFACTURING SAME

Title (de)  
FERRIT-BASIERTER ROSTFREIER STAHL MIT HOHER BESTÄNDIGKEIT GEGEN KORROSIVITÄT DURCH ABGAS UND KONDENSATION UND MIT GUTEN LÖTEIGENSCHAFTEN SOWIE VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
ACIER INOXYDABLE À BASE DE FERRITE PRÉSENTANT UNE HAUTE RÉSISTANCE À LA CORROSIVITÉ PROVOQUÉE PAR DU GAZ D'ÉCHAPPEMENT ET LA CONDENSATION ET DES PROPRIÉTÉS AU BRASAGE ÉLEVÉES ET PROCÉDÉ POUR LA FABRICATION DE CE DERNIER

Publication  
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Application  
**EP 15855321 A 20151030**

Priority  
• JP 2014222201 A 20141031  
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Abstract (en)  
[origin: EP3214198A1] This ferritic stainless steel contains, by mass%, C: 0.001% to 0.030%; Si: 0.01% to 1.00%, Mn: 0.01% to 2.00%, P: 0.050% or less, S: 0.0100% or less, Cr: 11.0% to 30.0%, Mo: 0.01% to 3.00%, Ti: 0.001% to 0.050%, Al: 0.001% to 0.030%, Nb: 0.010% to 1.000%, and N: 0.050% or less, with a remainder being Fe and inevitable impurities, wherein an amount of Al, an amount of Ti, and an amount of Si (mass%) satisfy Al/Ti#¥8.4Si-0.78.

IPC 8 full level  
**C22C 38/00** (2006.01); **C21D 9/46** (2006.01); **C22C 38/38** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)  
**C21D 1/26** (2013.01 - EP); **C21D 1/74** (2013.01 - KR); **C21D 6/002** (2013.01 - EP US); **C21D 8/0205** (2013.01 - EP US); **C21D 8/0221** (2013.01 - KR); **C21D 8/0236** (2013.01 - EP US); **C21D 8/0247** (2013.01 - KR); **C21D 8/0273** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP KR US); **C22C 38/00** (2013.01 - US); **C22C 38/001** (2013.01 - US); **C22C 38/002** (2013.01 - US); **C22C 38/004** (2013.01 - EP KR US); **C22C 38/005** (2013.01 - EP US); **C22C 38/008** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/20** (2013.01 - US); **C22C 38/22** (2013.01 - EP KR US); **C22C 38/24** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP KR US); **C22C 38/28** (2013.01 - EP KR US); **C22C 38/30** (2013.01 - EP US); **C22C 38/32** (2013.01 - US); **C22C 38/38** (2013.01 - EP KR US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/52** (2013.01 - US); **C22C 38/54** (2013.01 - US); **C22C 38/60** (2013.01 - EP KR US); **C21D 2211/005** (2013.01 - KR)

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