

Title (en)  
FERRITIC STAINLESS STEEL SHEET HAVING EXCELLENT HEAT RESISTANCE AND PROCESSABILITY, AND METHOD FOR PRODUCING SAME

Title (de)  
FERRITISCHES EDELSTAHLBLECH MIT HERVORRAGENDER WÄRMEBESTÄNDIGKEIT UND VERARBEITBARKEIT SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
FEUILLE D'ACIER INOXYDABLE FERRITIQUE PRÉSENTANT D'EXCELLENTE RÉSISTANCE À LA CHALEUR ET APTITUDE AU TRAITEMENT, ET SON PROCÉDÉ DE PRODUCTION

Publication  
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Application  
**EP 12765258 A 20120328**

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• JP 2011072270 A 20110329  
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Abstract (en)  
[origin: EP2692889A1] The present invention provides ferritic stainless steel sheet which is excellent in heat resistance at 950°C and workability at ordinary temperature, that is, ferritic stainless steel sheet excellent in heat resistance and workability which is characterized by containing, by mass %, C: 0.02% or less, N: 0.02% or less, Si: over 0.1 to 1.0%, Mn: 0.5% or less, P: 0.020 to 0.10%, Cr: 13.0 to 20.0%, Nb: 0.5 to 1.0%, Cu: 1.0 to 3.0%, Mo: 1.5 to 3.5%, W: 2.0% or less, B: 0.0001 to 0.0010%, and Al: 0.01 to 1.0% and having a balance of Fe and unavoidable impurities, where Mo+W is made 2.0 to 3.5%.

IPC 8 full level  
**C21D 8/02** (2006.01); **B21B 1/26** (2006.01); **C21D 9/46** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/20** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/32** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01); **F01N 13/16** (2010.01); **F01N 13/10** (2010.01)

CPC (source: EP KR US)  
**B21B 1/26** (2013.01 - KR US); **C21D 8/0205** (2013.01 - EP KR US); **C21D 8/0263** (2013.01 - EP KR US); **C21D 8/0273** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP KR US); **C22C 38/001** (2013.01 - EP KR US); **C22C 38/004** (2013.01 - EP US); **C22C 38/008** (2013.01 - EP KR 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 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/32** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP KR US); **C22C 38/44** (2013.01 - EP KR US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/54** (2013.01 - EP KR US); **F01N 13/10** (2013.01 - KR); **F01N 13/16** (2013.01 - EP KR US); **C21D 2211/005** (2013.01 - EP US); **F01N 13/10** (2013.01 - EP US); **F01N 2530/04** (2013.01 - EP US)

Cited by  
EP3690075A4; US11339460B2; WO2022106145A1

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