

Title (en)  
AUSTENITIC STAINLESS STEEL WITH IMPROVED CORROSION RESISTANCE AND MACHINABILITY AND METHOD FOR MANUFACTURING SAME

Title (de)  
AUSTENITISCHER EDELSTAHL MIT VERBESSERTER KORROSIONSBESTÄNDIGKEIT UND BEARBEITBARKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
ACIER INOXYDABLE AUSTÉNITIQUE À RÉSISTANCE À LA CORROSION ET À USINABILITÉ AMÉLIORÉES ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 4265799 A1 20231025 (EN)**

Application  
**EP 21911342 A 20211210**

Priority  
• KR 20200179748 A 20201221  
• KR 2021018701 W 20211210

Abstract (en)  
Disclosed is an austenitic stainless steel with improved corrosion resistance and machinability. The austenitic stainless steel with improved corrosion resistance and machinability may comprise, in percent by weight (wt%), 0.05% or less of C (excluding 0), 2% or less of Si (excluding 0), 2% or less of Mn (excluding 0), 0.01% or less of S, 16 to 22% of Cr, 9 to 15% of Ni, 3% or less of Mo (excluding 0), 0.15 to 0.25% of N, 0.004 to 0.06% of B, and the remainder being Fe and inevitable impurities.

IPC 8 full level  
**C22C 38/58** (2006.01); **C21D 8/00** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR)  
**C21D 6/004** (2013.01 - EP); **C21D 8/005** (2013.01 - KR); **C21D 8/0263** (2013.01 - EP); **C21D 9/46** (2013.01 - EP); **C22C 38/001** (2013.01 - EP); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/42** (2013.01 - KR); **C22C 38/44** (2013.01 - EP KR); **C22C 38/54** (2013.01 - EP KR); **C22C 38/58** (2013.01 - KR); **C21D 2211/001** (2013.01 - EP KR); **C21D 2211/004** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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