

Title (en)
FERRITIC STAINLESS STEEL SHEET FOR EGR COOLERS

Title (de)
FERRITISCHES EDELSTAHLBLECH FÜR AGR-KÜHLGERÄTE

Title (fr)
FEUILLE D'ACIER INOXYDABLE FERRITIQUE POUR DES REFROIDISSEURS EGR

Publication
EP 2351868 A1 20110803 (EN)

Application
EP 09821831 A 20091023

Priority
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• JP 2009241500 A 20091020

Abstract (en)
A ferritic stainless steel sheet for EGR coolers includes at least, by mass% C: 0.03% or less, N: 0.05% or less, Si: 0.1% to 1%, Mn: 0.02% to 2%, Cu: 0.2% to 1.5%, Cr: 15% to 25%, Nb: 8 (C + N) % to 1%, Al: 0.5% or less, and Fe and inevitable impurities as the balance, wherein the steel sheet further includes, by mass%, Ti at an amount fulfilling the following formulae (1) and (2), and Cr and Cu are included at amounts fulfilling the following formula (3), $Ti - 3N \geq 0.03 \dots (1)$, $10(Ti - 3N) + Al \geq 0.5 \dots (2)$, and $Cr + 2.3Cu \geq 18 \dots (3)$.

IPC 8 full level
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Cited by
EP3733910A4; CN107058906A; EP3508597A4; EP3214198A4; US10385429B2; US10975459B2; US10030282B2; US10752973B2

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