

Title (en)

FERRITIC STAINLESS STEEL FOR MEMBER OF EXHAUST GAS FLOW PASSAGE

Title (de)

FERRITISCHER NICHTROSTENDER STAHL FÜR EIN ELEMENT EINER ABGASSTROMPASSAGE

Title (fr)

ACIER INOXYDABLE FERRITIQUE POUR ELEMENT DE DEBIT DE GAZ D'ECHAPPEMENT

Publication

EP 1413640 B1 20050525 (EN)

Application

EP 02743819 A 20020704

Priority

- JP 0206768 W 20020704
- JP 2001204444 A 20010705

Abstract (en)

[origin: EP1413640A1] Ferritic stainless steel has a chemical composition, in mass %: C: 0.03% or less, Si: 1.0% or less, Mn: 1.5% or less, Ni: 0.6% or less, Cr: 10 to 20%, Nb: 0.50% or less, Cu: 0.8 to 2.0%, Al: 0.03% or less, V: 0.03 to 0.20%, N: 0.03% or less, provided that Nb is greater than or equals 8(C+N) is satisfied, and balance: Fe and inevitable impurities. The Mo content of the ferritic stainless steel as an impurity is preferably controlled to 0.10 mass% or less, and Ti and B may be optionally contained in amounts of 0.05 to 0.30 and 0.0005 to 0.02 mass%, respectively.

IPC 1-7

C22C 38/00; **C22C 38/32**

IPC 8 full level

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CPC (source: EP KR US)

C22C 38/004 (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/18** (2013.01 - KR); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C21D 2211/005** (2013.01 - EP US); **F01N 2530/04** (2013.01 - EP US)

Cited by

EP2617854A4; EP3231883A4; EP3572544A4; EP2767605A4; EP1930461A1; EP3508598A4; EP2058413A4; EP2351868A4; US11261512B2; US10968499B2; US9365915B2; US9290830B2; US9399809B2; US10072323B2

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