

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 A4 20041215 (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

**C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

No further relevant documents disclosed

Cited by

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

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