

Title (en)

SUBSTRATE FOR CATALYTIC SYSTEM AND FERRITIC STAINLESS STEEL FROM WHICH IT IS FORMED

Publication

**EP 0033203 A3 19810826 (EN)**

Application

**EP 81300144 A 19810114**

Priority

US 11564780 A 19800128

Abstract (en)

[origin: EP0033203A2] A system comprising a ferritic stainless steel substrate having a tightly adherent oxide coating and a catalytic material thereupon, and the ferritic stainless steel from which the substrate is formed. The ferritic stainless steel is of a chemistry which forms a tightly adherent non-spalling scale suitable for application of a catalytic bearing material and consists essentially of, by weight, up to 26% chromium, from 1 to 8% aluminium, between 0.01 and 0.1% yttrium, up to 0.1% carbon, up to 2% silicon, balance essentially iron.

IPC 1-7

**C22C 38/18**

IPC 8 full level

**C22C 38/00** (2006.01); **B01J 23/86** (2006.01); **C22C 38/18** (2006.01)

CPC (source: EP)

**C22C 38/18** (2013.01)

Citation (search report)

- DE 2813569 A1 19781005 - ATOMIC ENERGY AUTHORITY UK
- DE 2916959 A1 19791108 - ATOMIC ENERGY AUTHORITY UK
- [A] GB 833446 A 19600427 - KANTHAL AB
- [AD] US 3591365 A 19710706 - OHMACHI RYOJI
- [AD] US 3298826 A 19670117 - WUKUSICK CARL S
- [AD] US 3027252 A 19620327 - MCGURTY JAMES A, et al

Cited by

DE10310865B3; EP0467110A1; US4661169A; DE19642497C1; FR2587635A1; EP0480461A1; EP0091526A3; US5411610A; EP0572674A4

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0033203 A2 19810805; EP 0033203 A3 19810826**; CA 1170481 A 19840710; JP S56121641 A 19810924

DOCDB simple family (application)

**EP 81300144 A 19810114**; CA 368518 A 19810114; JP 1145281 A 19810128