

Title (en)

Ferritic heat-resistant steel and method for producing it

Title (de)

Ferritischer, wärmebeständiger Stahl und Verfahren zur Herstellung

Title (fr)

Acier ferritique réfractaire et procédé de fabrication

Publication

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Application

**EP 03007333 A 19980921**

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- JP 25648197 A 19970922

Abstract (en)

The invention provides a ferritic heat-resistant steel having excellent high-temperature oxidation resistance, especially excellent steam oxidation-resistant characteristics. In high-Cr ferritic heat-resistant steel, ultra-fine oxide particles having a size of not larger than 1 µm are formed just below the oxide films and formed on the steel base, whereby the adhesiveness between the films and the base is enhanced. The ferritic heat-resistant steel contains Cr in an amount of from 8.0 to 13.0 % by weight, and at least one of Rh and Ir in a total amount of from 0.3 to 5.0 % by weight.

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IPC 8 full level

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