

ABSTRACT

HOT-ROLLED STEEL SHEET AND METHOD FOR PRODUCING THE SAME

To provide a hot-rolled steel sheet with excellent scale adhesion, particularly high flaking-like peeling resistance, even in a hot-rolled steel sheet with a larger thickness, and a method for producing the hot-rolled steel sheet.

A hot-rolled steel sheet with a predetermined chemical composition and with a scale on a surface of the steel sheet, wherein the scale has an average thickness of 25 μm or less and has a microstructure containing, in terms of area ratio, magnetite: 20% or more, a eutectoid transformation microstructure of iron and magnetite: 30% or more, wustite: 15% or less, and 90% or more (including 100%) of a total of the magnetite, the wustite, and the eutectoid transformation microstructure of iron and magnetite, and an interface between the scale and a steel substrate has an arithmetic average roughness of 0.3 μm or more.

[NO SUITABLE FIGURE]