

ABSTRACT

HOT-ROLLED STEEL SHEET AND METHOD FOR PRODUCING THE SAME

To provide a hot-rolled steel sheet with excellent scale adhesion, particularly high powdery 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 20 μm or less and has a microstructure containing, in terms of area ratio, magnetite: 20% or more, a eutectoid transformation structure of iron and magnetite: 40% or more, wustite: 15% or less, and 90% or more (including 100%) of a total of the magnetite, the wustite, and the eutectoid transformation structure of iron and magnetite, and precipitated Fe in a region from an outermost surface layer of the scale to 1/2 of a thickness of the scale in a thickness direction has an area ratio of 2% or more.

[NO SUITABLE FIGURE]