

ABSTRACT

HOT-ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME

An object of the present invention is to provide: a hot-rolled steel sheet with excellent uniformity in scale adhesion and blackness in the width direction of a hot-rolled coil; and a method for producing the hot-rolled steel sheet.

The hot-rolled steel sheet has a predetermined chemical composition and has a scale on the surface of the steel sheet. The scale in the width direction of the steel sheet has a microstructure containing, in terms of area fraction, magnetite grains: 30% or more, a eutectoid transformation microstructure containing iron and magnetite: 20% to 60%, wherein magnetite includes the magnetite grains and the magnetite contained in the eutectoid transformation microstructure, and wustite: 20% or less, and, in terms of mass fraction, hematite: 5% or less. The area fraction of precipitated Fe on the surface of the scale is 15% or less. The average thickness of the scale in the width direction of the steel sheet is 3 to 20 μm .