



21: 2017/02309 22: 2015/09/25 43: 2018/06/08
 51: C22C; B21B; C21D; C23C; C25D; H01F; H02K
 71: JFE STEEL CORPORATION
 72: KOHSAKA, NORIAKI, FUNAKAWA, YOSHIMASA, TSUTSUMI, SATOSHI
 33: JP 31: 2014-241099 32: 2014/11/28
54: HOT-ROLLED STEEL SHEET FOR MAGNETIC POLE, METHOD FOR MANUFACTURING THE SAME, AND RIM MEMBER FOR HYDRAULIC POWER GENERATION

00: -
 Provided are a hot-rolled steel sheet for a magnetic pole having high strength, excellent weldability, and an excellent magnetic property, a method for manufacturing the steel sheet, and a rim member for hydraulic power generation. The steel sheet has a chemical composition containing, by mass%, C: 0.03% or more and 0.12% or less, Si: 0.15% or more and 0.70% or less, Mn: 0.8% or more and 1.4% or less, P: 0.03% or less, S: 0.005% or less, Al: 0.08% or less, N: 0.006% or less, Ti: 0.12% or more and 0.22% or less, and the balance being Fe and incidental impurities, a microstructure including, in terms of area ratio, 98% or more of a ferrite phase, in which the proportion of the amount of Fe precipitated to the total amount of entire precipitates is 0.22 mass% or less, in which the proportion of the amount of Ti precipitated to the Ti content in steel is 80 mass% or more, and in which the average grain diameter of carbides containing precipitated Ti is 6 nm or less, a yield strength in the rolling direction of 700 MPa or more, a magnetic flux density B50 of 1.5 T or more, a magnetic flux density B100 of 1.6 T or more, and a minimum Vickers hardness of a welded

heat-affected zone of (the average Vickers hardness of a matrix - 30) or more.

21: 2017/02343 22: 2015/09/04 43: 2018/06/08
 51: B61B
 71: AGENCE NATIONALE POUR LA GESTION DES DÉCHETS RADIOACTIFS
 72: COTTARD, GUILLAUME
 33: FR 31: 1458266 32: 2014/09/04
 33: FR 31: 1458268 32: 2014/09/04

54: FUNICULAR DRIVEN BY A CABLE IN CLOSED LOOP WITH TWO TOWING SECTIONS AND METHOD FOR CONTROLLING SUCH A FUNICULAR

00: -
 A funicular intended particularly for transporting heavy loads between an upstream station (10) and a downstream station (12), comprises a track (14), preferably a railway, connecting the upstream station (10) to the downstream station (12), a vehicle (16) running on the track (14) and at least one towing cable (30) in closed loop having a first towing section (32.1) passing over a first pulley (20.1) of the upstream station and over a first return pulley (26) fixed to the vehicle (16) and a second towing section (32.2), in all ways separate from the first towing section and passing over the return pulley (26) and over a second pulley (20.2) of the upstream station (10).

