

"Tetsu-to-Hagané"

Vol.93 No.7 July, 2007

Contents

Steelmaking

- Control of Formation of Spinel Inclusion in Type 304 Stainless Steel by Slag Composition
Y. EHARA, S. YOKOYAMA and M. KAWAKAMI 475

Casting and Solidification

- Improvement of Inline Cutting Device for Continuous-cast Slab in High-Ni Alloys (Technical Report)
Y. MIYAZAKI, K. MIZUNO, A. HONGO, T. ISHII and H. TODOROKI 518

Chemical and Physical Analysis

- Inspection of the Defects of Steel by Using Laser Induced Breakdown Spectroscopy
M. AIMOTO, H. KONDO, H. YAMAMURA and T. TOH 483

Surface Treatment and Corrosion

- Effect of Mn Content in Steels on the Selective Surface Oxidation Behavior of 1 mass% Si
Bearing Low C Steels in Recrystallization Annealing
Y. SUZUKI, Y. SUGIMOTO and S. FUJITA 489
- Hot Corrosion of the Ni-20%Cr Alloy and Waspaloy Immersed in Na₂SO₄
K. KUSABIRAKI, M. MORITA, X. GUO and H. ANADA 498

Transformations and Microstructures

- Segregation and Precipitation of Carbon in the Vicinity of Dislocations during Strain Aging in
Low Carbon Steels
N. MARUYAMA and M. TAKAHASHI 506
- Effect of Duplex-grained Structure on Yield Stress of IF Steels
R. MATOBA, N. NAKADA, Y. FUTAMURA, T. TSUCHIYAMA and S. TAKAKI 513

-
- ISIJ International, Vol.47 (2007), No.7, Synopses and Titles A24
-