

Contents

Ironmaking

- Chlorine Behavior of Waste Plastics Recycling Process Using Coke Ovens
K. KATO and S. NOMURA776

Casting and Solidification

- Transition of Steel Flow Control Technology in a Continuous Casting Mold (Review)
K. TAKATANI751
- Precipitation Behavior of Cu and MnS at High Temperature in Fe-10mass%Cu Alloys
K. YAMAMOTO, H. SHIBATA, K. NAKAJIMA and S. MIZOGUCHI781
- Precipitation Behavior of CuS and MnS at High Temperature in Fe-C-Sn Steels
K. YAMAMOTO, H. SHIBATA, K. NAKAJIMA and S. MIZOGUCHI788

Chemical and Physical Analysis

- Recent Advances of Evaluation Methods for Non-metallic Inclusions in Steel (Review)
H. KONDO758
- Determination of Trace Amount of Tin in Iron and Steel by Pre-column Derivatization/Reversed-phase High-performance Liquid Chromatography with 2-(5-Bromo-2-pyridylazo)-5-(*N-n*-propyl-*N*-sulfopropyl-amino)phenol/*N*. UEHARA, C. KAWASAKI and T. SHIMIZU795
- Comparative Study on the Analysis of Cast Iron Using Glow Discharge Mass Spectrometry and Spark Discharge Optical Emission Spectrometry (Technical Report)
S. ITOH, T. KIMURA, H. YAMAGUCHI and T. KOBAYASHI846

Surface Treatment and Corrosion

- Mg-contained Zn Electroplating from Aqueous Solution Containing Quaternary Ammonium Salt
H. NAKANO, S. OUE, S. KOBAYASHI, H. FUKUSHIMA, K. ARAGA, K. OKUMURA and H. SHIGE801
- Effect of Film Properties on Bending Formability of Prepainted Steel Sheets (Technical Report)
H. KANAI and J. OKA852

Transformations and Microstructures

- Effect of Carbon and Chromium Contents on Latent Heat of Pearlite Transformation of Steels
M. TAJIMA, Y. NISHIMOTO, K. SHIMA and Y. MANTANI807
- Effect of Mn Content on Simulated HAZ Toughness of Large Heat Input Welding in Ti-Oxide Bearing Steel/*Y. TERADA, H. TAMEHIRO and R. CHIJUWA*812
- BN Type Inclusions Formed in High Cr Ferritic Heat Resistant Steel
K. SAKURAYA, H. OKADA and F. ABE819

Physical Properties

- Effects of Hydrogen on Mechanical Behavior of Steels (Review)
M. NAGUMO766
- Relationship between Tensile Properties and Casting Defect of Ti-29Nb-13Ta-4.6Zr for Biomedical Applications Cast by Dental Precision Casting Process Using Various Investment Materials
M. NIINOMI, T. AKAHORI, T. MANABE, T. TAKEUCHI, S. KATSURA, H. FUKUI and A. SUZUKI827
- Evaluation of Microstructural Factors of High Chromium Ferritic Steel Based on Analysis of Anelasticity Behavior at High Temperature/*K. SAWADA, K. KUBO and K. KIMURA*835

**Influence of Heats, Heat-treatments and Strain Control Mode on High Temperature Fatigue Lives of
2.25Cr-1Mo Steels for Boiler and Pressure Vessels**

K. YAMAGUCHI, M. KIMURA, K. KOBAYASHI and M. HAYAKAWA841

ISIJ International, Vol.44 (2004), No.10, Synopses and TitlesA36
