



## Contents

<b>Special Presentation</b>	<b>Intergranular Fracture of Iron and Effects of Trace and Alloying Elements</b>	/ H.KIMURA	N754
<b>Commentary</b>	<b>State of Numerical Analysis for Sheet Metal Forming</b>	/ E.NAKAMACHI	N761
	<b>Physical Property of Paint Liquid and Film</b>	/ T.UEDA	N768
	<b>Subjects on the Evaluation of the Process and Products in the Sintering of Iron Ores</b>	/ E.KASAI and Y.OMORI	1217
<b>Technical Review</b>	<b>X-ray Fluorescence Spectrometric Analysis of Titanium Alloy</b>	/ T.IMAKITA and N.KOTANI	1224
<b>Paper</b>	<b>Low and Medium Temperature Carbonization under Loading and Pressurization</b>	S.ITALAKI, N.SUZUKI and K.FUKADA	1230
	<b>Agglomeration of Coal Particles in Fluidized Bed Heating</b>	/ T.KOJIMA and A.NAGUMO	1236
	<b>Dephosphorization Test of Cr-containing Molten Iron by CaO-based Flux</b>	S.KITAMURA, H.AOKI and K.OKOHIRA	1242
	<b>Effect of geometry of vacuum vessel on decarburization rate and final carbon content in RH degasser</b>	Y.KATO, T.FUJI, S.SUETSUGU, S.OHMIYA and K.AIZAWA	1248
	<b>Quantitative Analysis of Contamination of Liquid Steel in Tundish</b>	H.TANAKA, R.NISHIHARA, I.KITAGAWA and R.TSUJINO	1254
	<b>Wave Behavior of Melt in a Continuous Casting Mold with Imposition of Magnetic Field</b>	T.LI, K.SASSA and S.ASAI	1260
	<b>Precipitation of Fine Carbonitride and High Temperature Embrittlement of Low Carbon Steel during cooling in Secondary Cooling Zone of Continuous Caster</b>	K.SUZUKI, S.MIYAGAWA and Y.SAITO	1266
	<b>Alloying Reactions and Coating Microstructure in Continuous Galvanizing and Galvannealing Process</b>	J.INAGAKI, M.SAKURAI and T.WATANABE	1273
	<b>Effects of Kinds of Monomers on Film Properties for Electron Beam Cross-linked Poly(vinyl chloride) Coated Steel Sheets</b>	/ K.MASUHARA, K.KOISHI, K.MORI and H.FUKUMOTO	1278
	<b>Parameter Analysis for Temperature and Strain Rate Dependence of Low-Cycle Fatigue Life at High Temperatures</b>	/ K.YAMAGUCHI, K.KOBAYASHI, K.IIJIMA and S.NISHIJIMA	1284
	<b>Low-Cycle Fatigue Life Analyzed by Parameter Method for Various High Temperature Materials</b>	K.KOBAYASHI, K.IIJIMA, K.YAMAGUCHI and S.NISHIJIMA	1288
	<b>Effect of Long Term Exposure on Mechanical Properties and Precipitation Behaviors of Hastelloy X for Gas Turbine Combustor</b>	/ Y.YOSHIOKA, D.SAITO, K.FUJIYAMA, N.OKABE and S.NAKAMURA	1293
	<b>High Temperature Creep Resistance of High Purity Chromium in Argon</b>	Y.KONDO, K.KAWASUE, J.NAMEKATA and T.SAKAKI	1299
<b>Technical Article</b>			T161
<b>ISIJ Information Network</b>			N751