

# "Tetsu-to-Hagané"

Vol.81 No.12, December, 1995

## Contents

<b>Review</b>	<b>Recent Trend of Japanese Iron and Steel Certified Reference Materials</b>	
	<i>M.SAEKI, I.INAMOTO and K.KAKITA</i>	N595
<b>Paper</b>	<b>Phase Equilibria for the MnO-SiO<sub>2</sub>-MnS Slag System</b>	
	<i>A.HASEGAWA, K.MORITA and N.SANO</i>	1109
	<b>Combustion Behavior and Gas Flow Change in Raceway at Massive Coal Injection in Experimental Furnace</b>	
	<i>T.ARIYAMA, M.SATO, R.MURAI, K.MIYAGAWA, K.NOZAWA, and T.KAMIJO</i>	1114
	<b>Separation of Non-metallic Inclusions from Molten Metal Using Traveling Magnetic Field</b>	
	<i>Y.TANAKA, K.SASSA, K.IWAI and S.ASAI</i>	1120
	<b>Rate of Inclusion Removal from Molten Metal to Slag with Injecting Gas from Multi-orifice and Multi-nozzle</b>	
	<i>K.OKUMURA, N.TANAHASHI, M.HIRASAWA and M.SANO</i>	1126
	<b>Melting Behavior of Mold Powder for Continuous Casting of Steel by Thermo Mechanical Analysis</b>	
	<i>M.KAWAMOTO, T.WATANABE and T.IKEDA</i>	1132
	<b>Fundamental Study on Effect of Stirring on Oxidation Rate of Molten Steel in Tundish</b>	
	<i>K.SASAI and Y.MIZUKAMI</i>	1138
	<b>Visco-elastic Behaviour of Mold Powder for Continuous Casting of Steel</b>	
	<i>K.SORIMACHI, S.SAKAI and T.FUJII</i>	1144
	<b>Effect of Carbide Properties on Lubrication Characteristics of Roll in Cold Sheet Rolling</b>	
	<i>A.AZUSHIMA and Y.JIMBO</i>	1150
	<b>Effect of Heat Treatment on Wear Resistance of Ni-P Electroplated Titanium Alloy</b>	
	<i>T.YASHIKI, T.NAKAYAMA and J.KATO</i>	1156
	<b>Corrosion Products of Steel on Vehicles Used in North America and Their Growth Mechanism</b>	
	<i>S.FUJITA, H.KAJIYAMA, M.YAMASHITA and A.NISHIMOTO</i>	1162
	<b><math>\alpha\gamma'</math>-phase Volume-fraction at Effect on the Hot Corrosion Resistance of Ni-based Superalloys Varying the Compositions along <math>\alpha\gamma-\gamma'</math> Tie Line</b>	
	<i>S.MIYAZAKI, Y.KUSUNOKI, Y.MURATA and M.MORINAGA</i>	1168
	<b>Improvement of High Temperature Strength and Toughness of 12mass%Cr-15mass%Mn Austenitic Steels Developed as a Heat Resisting Material</b>	
	<i>D.SU BAE, T.KIMURA, Y.SHIMOIDE and K.MIYAHARA</i>	1174
	<b>Improvement of Fluting Resistance of Soft Temper Tinplate by Temper Rolling of High Reduction</b>	
	<i>K.MARUOKA, N.YOSHINAGA and T.KIKUMA</i>	1180
<b>Technical Article</b>		<b>T61</b>
<b>ISIJ Information Network</b>		<b>N593</b>