

# "Tetsu-to-Hagané"

Vol.80 No.11, November, 1994

## Contents

<b>Commentary</b>	<b>International Trend on Global Warming Issue</b> / Y. OHNO	N 558
	<b>Structure and Properties of Nanocrystalline Materials</b> / Y. OGINO	807
<b>Paper</b>	<b>Control of Pouring Molten Charge out of a Levitation Type Cold Crucible</b>	
	K. ANDO, K. IWAI and S. ASAI	813
	<b>Prediction of Annual Production Rates of Crude Steel in Various Countries by a Modified Logistic Function</b>	
	M. SASABE and H. ITAKURA	819
	<b>Activities of the Constituents in FeO·Cr<sub>2</sub>O<sub>3</sub>-MgO·Cr<sub>2</sub>O<sub>3</sub>-MgO·Al<sub>2</sub>O<sub>3</sub> Spinel Solid Solution</b>	
	M. HINO, K. HIGUCHI, T. NAGASAKA and S. BAN-YA	825
	<b>Mathematical Analysis on the Upper Limit of Cooling Rate in Casting on the Basis of One-dimensional Semi-infinite Model</b> / K. YASUDA and H. KAJIOKA	831
	<b>General Method for Solidification and Cooling Analysis of a Cast in a Mold through a Linear Heat Flow Model</b>	
	K. YASUDA and H. KAJIOKA	837
	<b>Application of Bake Hardenable Tinplate to 2 Piece Can</b> / K. MARUOKA, T. KAWANO and Y. YAMASHITA	843
	<b>Effects of Hot Rolling and Descaling Condition on Red Scale Defects Formation</b>	
	H. OKADA, T. FUKAGAWA, H. ISHIHARA, A. OKAMOTO, M. AZUMA and Y. MATSUDA	849
	<b>Diffusible Hydrogen Behavior in Pre-strained High Strength Steel</b> / N. SUZUKI, N. ISHII and Y. TUCHIDA	855
	<b>Fatigue Fracture for Bead-formed Sheet of Austenitic Stainless Steel</b>	
	T. KATSURAI, T. TOZAWA, H. KATO and Y. TAKAYAMA	860
	<b>Influence of Al Addition on Resistivity and Phase Constitution of Quenched Ti-5Fe Alloy</b>	
	M. IKEDA, S. KOMATSU, T. SUGIMOTO, K. KAMEI and K. INOUE	866
<b>Technical Article</b>		<b>T 148</b>
<b>ISIJ Information Network</b>		<b>N 555</b>