

"Tetsu-to-Hagané"

Vol. 65, No 12, October, 1979

Contents

Foreword

Invitation of Contributing Original Papers to the Transactions ISIJ..... T. NAKAMURA... 1661

Technical Papers

Investigation of the Influence of Alkali Circulation on the Blast Furnace Operation	M. HATANO, T. MIYAZAKI, Y. IWANAGA... 1663
The Softening Behavior under Load of Cold Bonded Pellets with Cement Binders.....	K. SATŌ, Y. SAWAMURA, K. KANBARA, and T. FURUI... 1673
Effect of Molten Slag on the Dissolving Rate of Reduced Iron Pellets into Iron Melt.....	A. SATO, R. NAKAGAWA, S. YOSHIMATSU, A. FUKUZAWA, and T. OZAKI... 1683
On the Rate of the Reduction of Wustite, Magnetite, and Hematite Containing Al_2O_3 , CaO , and MgO	Y. IGUCHI and M. INOUYE... 1692
Influence of Alloying Elements on Uneven Solidification in Continuous Casting Mould	Y. SUGITANI and M. NAKAMURA... 1702
The Rate of Oxygen Absorption of Liquid Iron	T. CHOH and M. INOUYE... 1712
On the Rates of Oxygen Absorption of Liquid Fe-Cr and Fe-Cr-Ni Alloys.....	T. CHOH, Y. NAGANAWA, and M. INOUYE... 1720
Permeabilities of Oxygen through Molten $\text{CaO}-\text{SiO}_2-\text{Al}_2\text{O}_3$ System with Fe_2O_3 or CaF_2	M. SASABE and Y. KINOSHITA... 1727
Classification of Numerical Methods for Transient Heat Transfer Problem and Improved Inner Nodal Point Method	I. OHNAKA... 1737
Formation of Transformation Texture in Controlled Rolled Steels	T. YUTORI and R. OGAWA... 1747
Tensile and Fatigue Properties of Austenitic Stainless Steels at LNG Temperature.....	K. MUKAI, K. HOSHINO, and T. FUJIOKA... 1756
Etch-Pattern of Transverse Cross-Section and Ridging Phenomenon in 18Cr Stainless Steel Sheet	K. SUZUKI and S. ASAMI... 1766
Multiplicative Interferences of Coexistent Elements on Emission Spectrochemical Analysis in Steel	Y. ENDO, T. SUGIHARA, K. SAITO, and Y. MATSUMURA... 1774

Technical Report

Development of On-Line Analysis System for Components in Plating Bath and Some Chemical Treatment Baths of Electric Galvanizing Process.....	R. MATSUMOTO, K. SATO, and K. SUZUKI... 1780
Properties and Utilization of Ironmaking and Steelmaking Slags	Division of Basic Research on Slag Utilization... 1787

Letter to the Editor

Estimation of Optimum Lance Height at Intermediate Stage in LD Converter Operation	Y. HSIEH and I. MUCHI... 1812
--	-------------------------------

Letter from Overseas

Reminiscence of the Technical University Clausthal Germany.....	T. NODA... 1814
Abstracts..... 1816, JISTIC News..... 1821, Notice to Members.....	N235,
Proceedings of the Institute.....	N244

Overseas membership: Annual charge: ¥6000 (incl. postage), Initiation fee; ¥ 600