KAWASAKI STEEL TECHNICAL REPORT

No.38 (April 1998) Ironmaking Technology and Tubular Products Technology

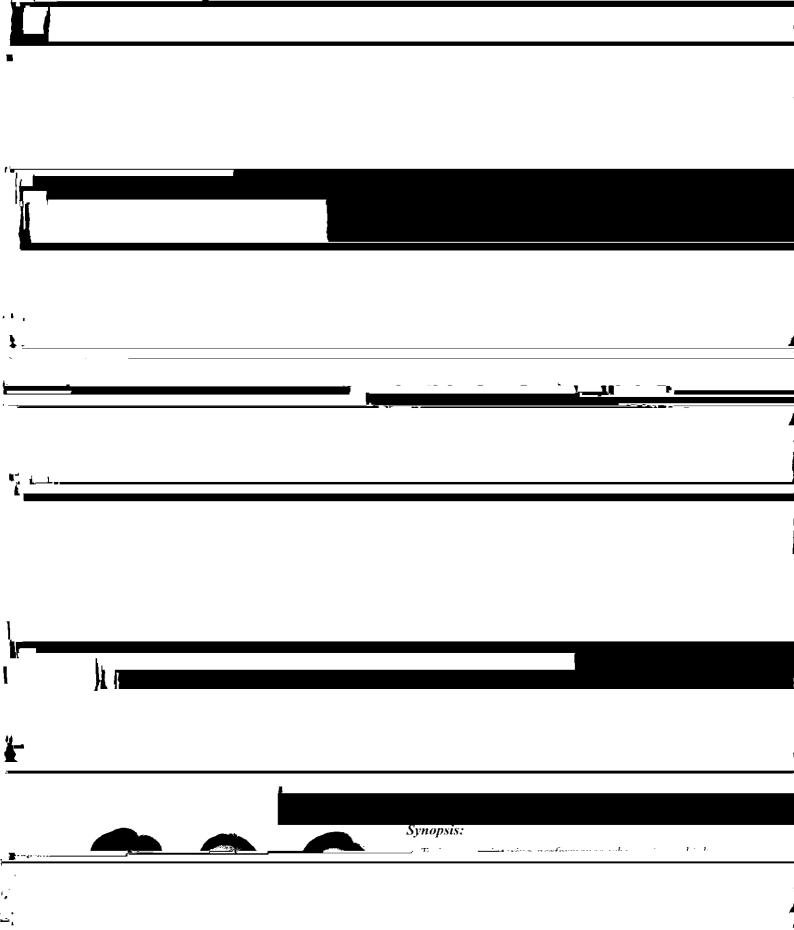
Analysis of Sintering Behavior for Improved Sintering Performance in High Pisolitic Ore Operation

Kouichi Nushiro, Nobuyuki Ohyama, Katsutoshi Igawa

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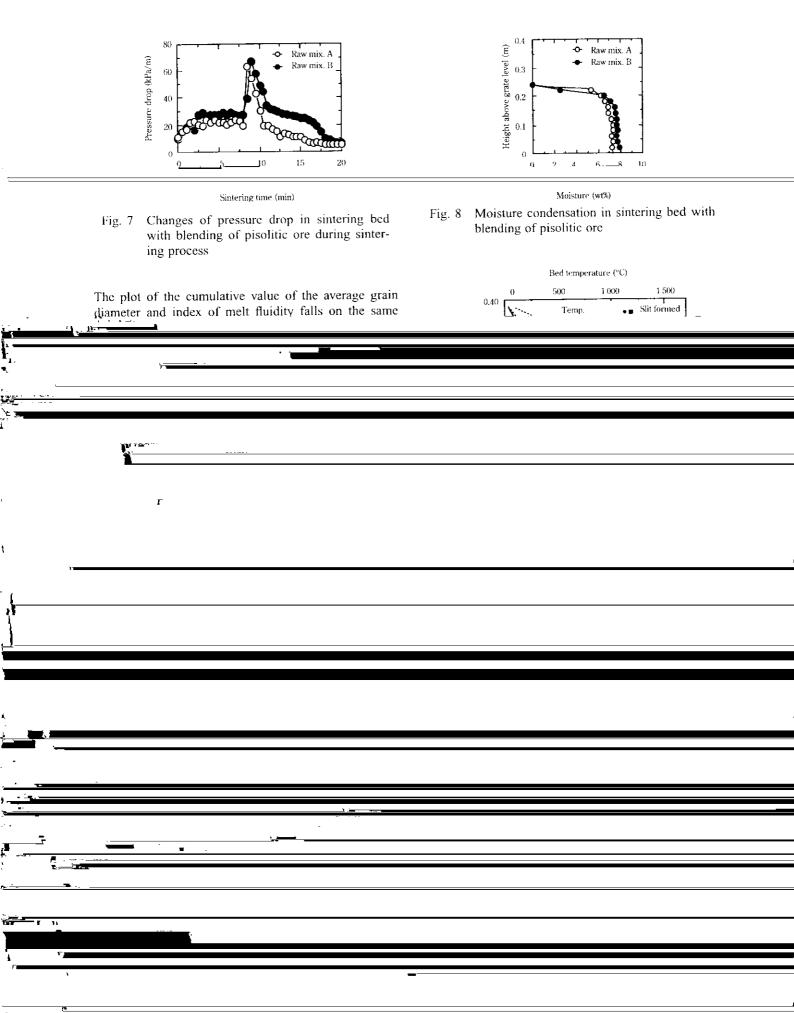






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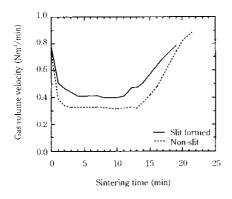


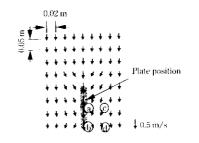
Fig. 10 Change of gas volume velocity during sintering

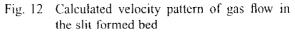
В

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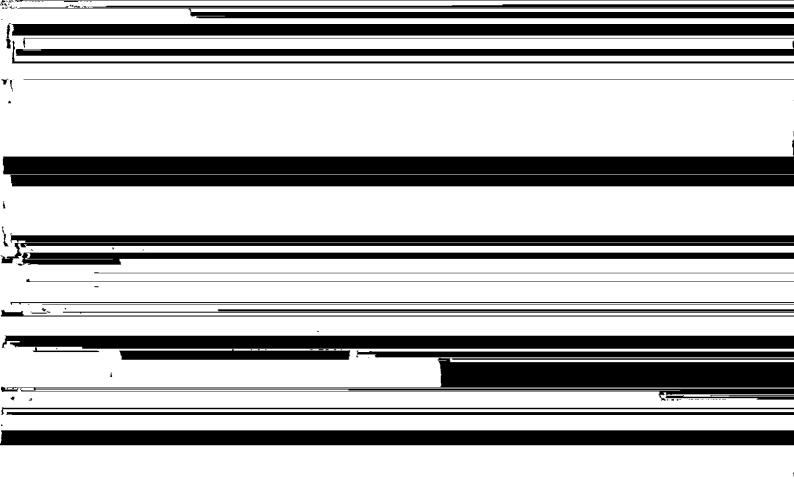
Slit formed
 Non-slit

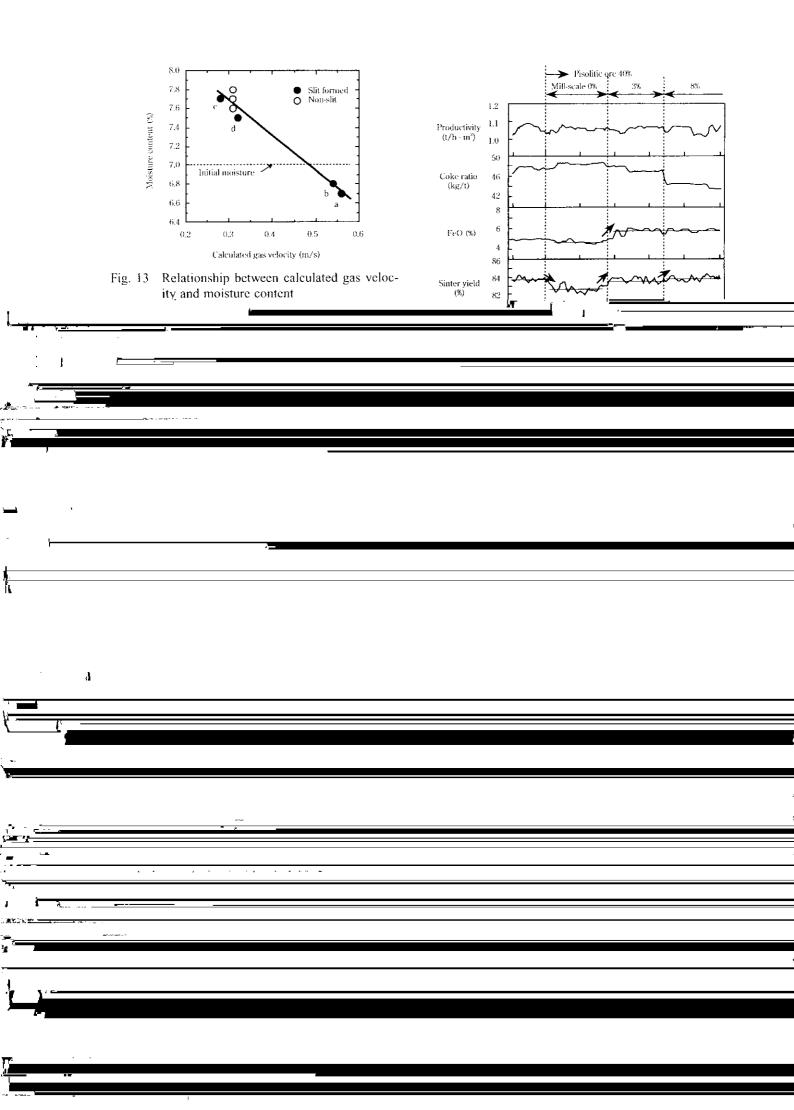




Here, the following calculation was made assuming that the gas viscosity, μ , is 1.8×10^{-5} Pa s, the raw material particle diameter is 0.002 m, and the gas density, $\rho_{\rm e}$, is 1.3 kg/m³.

In the results of the test with the small-scale pot, the





	Using slitting pl	lates i i i i i i i	in an increase in the gas flow resistance of the ing bed, which deteriorates permeability.	e sinter-
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