

KAWASAKI STEEL TECHNICAL REPORT

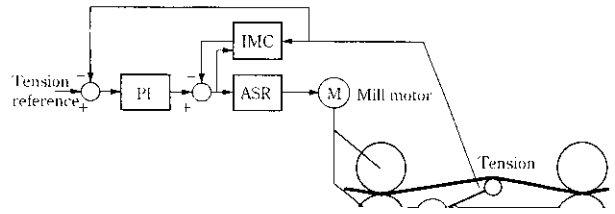
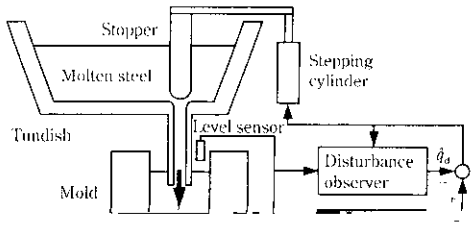
No.41 (October 1999)

Recent Activities in Research of Measurement and Control*



Synopsis:

On-line measurement and process control have recently become increasingly important to keep stable and effective production of high quality and homogeneous products. To satisfy these strong needs, optical or ultrasonic measuring instruments and control systems using



References

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- 10) A. Torao, I. Yarita, Y. Yamashita, and T. Yasumi: "Portable Measuring Apparatus of Oil Film Thickness by Using Laser Fluorescence," IMEKO, XVth World Congress, Osaka (Japan), 6(1999)
- 11) H. Takada, K. Asano, F. Ichikawa, T. Miyake, M. Kawahara, and H. Yamashita: "Nondestructive Detection of Poorly Grown Grains in the Grain Oriented Electrical Steel by Ultra