





の開発*

Automatic Flatness Control System in Tandem Cold Rolling Mill for Ultrathin Gauge Strips

要旨

近年、冷延鋼板の薄物化や要求形状の高度化にともなって、冷間圧延機の高精度平坦度（形状）制御技術の必要性が高まってきた。



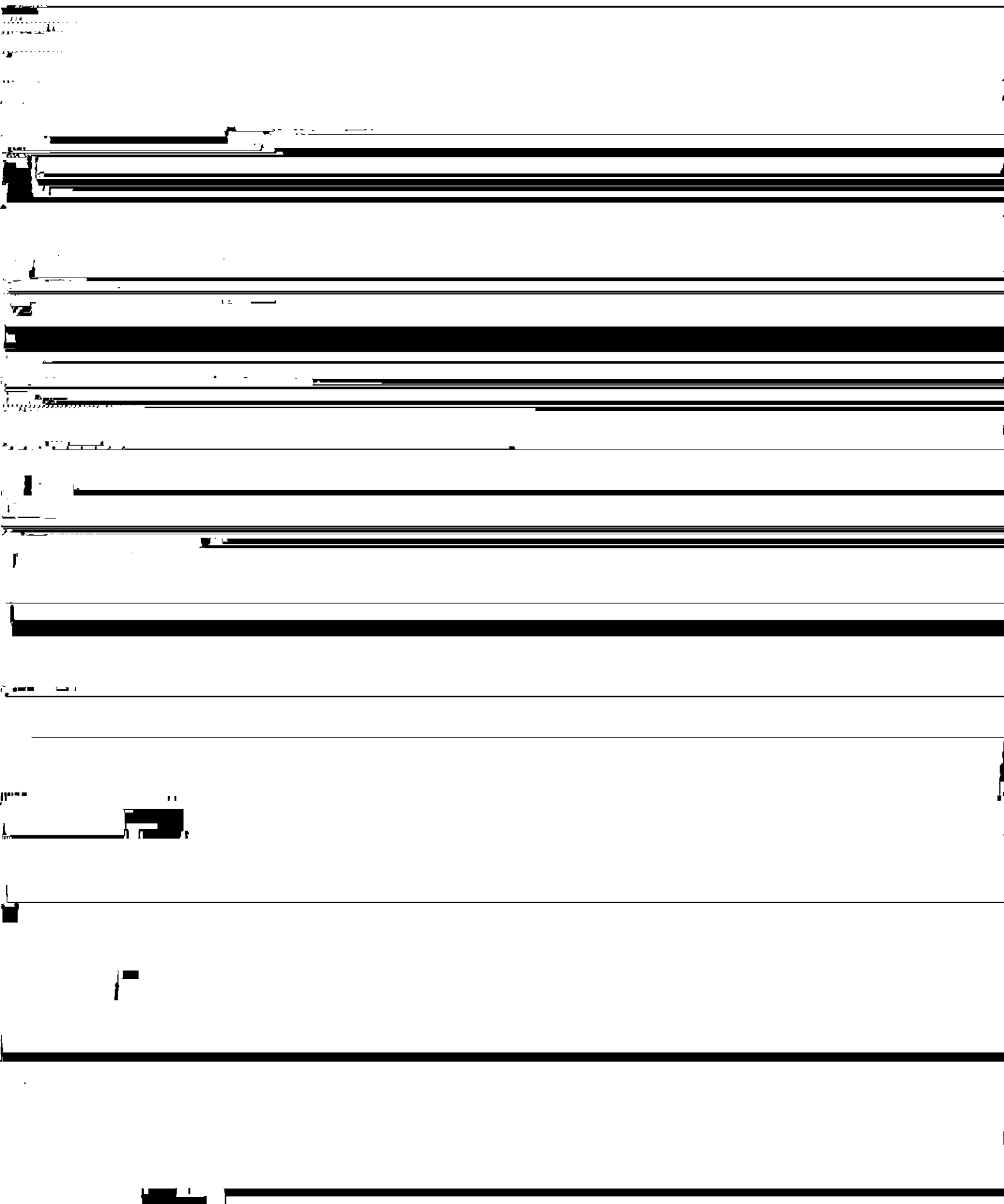
Table 1 Specifications of 6-stand tandem mill

Table 2 Comparison of actuator between conventional system and developed system

Type	Fully continuous
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$$D_{11} \ddot{x} + \dots = F_1 - \bar{F}$$



Without control

50

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2-14