

ABSTRACT
"DIAGNOSTIC SYSTEM"

According to one embodiment, a diagnostic system includes a conveyor device (1) first and second sensors (31, 32) and a diagnostic device (33). The conveyor device (1) includes an endless chain having a plurality of rollers coupled at regular pitches and each fit into a bush, to circularly move between a first sprocket and a second sprocket. The first and second sensors (31, 32) diagonally are disposed apart from each other on a moving path of the chain, irrespective of an operating direction of the conveyor device (1), to detect a passage of each of the rollers of the chain. The diagnostic device (33) measures an amount of elongation of the chain based on a first detection signal output from the first sensor (31) and a second detection signal output from the second sensor (32) according to movement of the chain during operation of the conveyor device (1).

FIG. 6