

ABSTRACT

A replacing portion (210) replaces a sampled value from an A/D converter (10) with one of expected values (B_0 , B_1 , B_2 ,
5 B_3 , B_4) in accordance with a predetermined rule. A branch metric table (230) stores a branch metric which has been predetermined on the basis of the sampled value replaced by the replacing portion (210) and the expected values and correlated with the sampled value. A branch metric determining portion (220) derives the
10 branch metric corresponding to the sampled value to be replaced in the replacing portion 210 from the branch metric table (230). Thus, complicated operation is eliminated to reduce the amount of operation and to reduce the size of the device scale.