

Title (en)
EXCAVATOR AND CONTROL METHOD FOR EXCAVATOR

Title (de)
BAGGER UND STEUERUNGSVERFAHREN FÜR BAGGER

Title (fr)
EXCAVATRICE ET SON PROCÉDÉ DE COMMANDE

Publication
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Application
EP 21881606 A 20210715

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Abstract (en)
The present application relates to the technical field of bucket control, and discloses an excavator and a control method for the excavator. The excavator comprises: a detection device and a controller. The detection device is used to detect movement data of a bucket or used to detect a boom oil cylinder, a bucket oil cylinder, and movement data of the bucket oil cylinder. The controller is arranged on a machine body, is electrically connected to the detection device for use in receiving the movement data, and determines a preset action mode of the bucket oil cylinder when the bucket moves to a preset position. Moreover, the controller is further configured to control the bucket oil cylinder to extend or contract according to the preset action mode so as to drive the bucket to move until the bucket moves to the preset position. By means of the cooperation of the detection device and the controller, when adjusting the angular position of the bucket, the excavator merely needs to control the extension or contraction of one component of the bucket oil cylinder, which may reduce the difficulty of operation and prevent operation inconsistencies, thereby ensuring the efficiency and quality of various items of work performed by the bucket.

IPC 8 full level
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