ABSTRACT

**BATCH LOADING AND UNLOADING APPARATUS AND METHOD FOR AGING DEVICE**

The present disclosure provides a batch loading and unloading apparatus and method for an aging device, and relates to the technical field of automation devices. The batch loading and unloading apparatus for an aging device includes a tray loading and unloading assembly, a board loading and unloading assembly, a cover opening assembly, a cover closing assembly, a pre-test assembly, and a transfer assembly. By means of the apparatus, including the tray loading and unloading assembly, the board loading and unloading assembly, the cover opening assembly, the cover closing assembly, the pre-test assembly, and the transfer assembly, the batch loading and unloading method for an aging device achieves closed-loop full-process operations covering automatic loading and unloading, cover opening and closing, pre-test, and exception handling of a chip and a board. This enables fully automated batch loading and unloading operations of the aging device and improves the efficiency of batch loading and unloading of the aging device. The pre-test assembly can promptly detect faults of a chip or a fixture on the board, confirm whether the abnormality originates from the chip or the fixture by means of a swapping structure, so as to promptly handle the abnormal chip or fixture, thereby preventing the abnormal chip or fixture from being subjected to an aging test, and improving the efficiency of the aging test.

[FIG. 1]