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(54) Title of the Invention: **Aging test device for multiple batteries in extruded state and test method**
Abstract Title: **Battery testing device for applying mechanical loads to batteries during test**

(57) A test device for multiple batteries 3 includes a base support 19, N clamping plates 2, two motors (9, figure 5), a positioning plate 1, and a laser range finder 5. The base support has a bottom plate 6 on which polished rods 7 are vertically disposed, and the clamping plates sleeve onto the polished rods via limiting holes (8, figure 6). The clamping plates are stacked, and batteries are placed between two adjacent plates; the positioning plate is located on the Nth clamping plate. Output shafts of the motors are connected with lead screws to the positioning plate after passing through holes in the clamping plates. The laser range finder is disposed on the bottom plate on which (N-1) reflection lenses 14 are equidistantly disposed. The distances between the clamping plates, and hence battery thickness, can thus be measured. The test device can apply the same mechanical load onto batches of lithium-ion batteries to perform cyclic aging tests under the mechanical load.

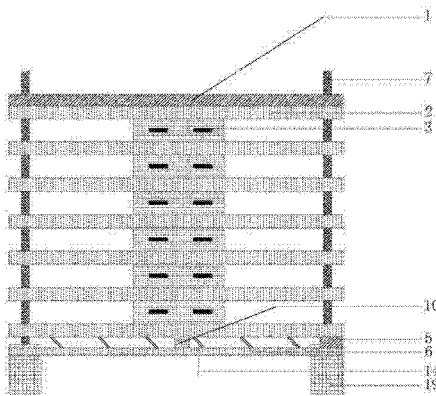


FIG. 1