

## Abstract

### Battery Sorting Apparatus and Method

5           A battery sorting apparatus comprises a base, an imaging device mounted to the  
base, a measurement device mounted to the base, a platform movably coupled to the base,  
and a controller coupled to the imaging device, the measurement device and the platform.  
The imaging device is configured to capture an image of a battery carried by the platform  
to determine an actual orientation of the battery. The platform is moveable relative to the  
10 base to align the battery along a predetermined orientation of the measurement device and  
to position the battery under the measurement device. The measurement device is  
configured to measure electrical characteristics of the battery to determine a grade of the  
battery, and the controller is configured to assign the grade to the battery.

15

(Fig. 8)