

Abstract

Apparatus and Method For Recycling Electrolytes

5 An apparatus for recycling electrolytes from a battery comprises a housing which
encloses a vacuum chamber therein, a filter plate disposed in the housing, a gate formed on
the housing and a press coupled to the housing. The filter plate divides the vacuum
chamber into a first compartment and a second compartment. The gate is openable to
allow external access to the first compartment, for loading the battery fragments into the
10 vacuum chamber for electrolyte recycling and unloading the solid content from the
vacuum chamber thereafter, and closeable to seal the vacuum chamber. After battery
fragments are loaded in the first compartment through the gate and with the gate closed,
the press moves towards the filter plate to squeeze the battery fragments and to force
electrolytes to flow out of the fragments. The electrolytes thereafter flow into the second
15 compartment through the filter plate for collection.

(Fig. 1)