

Abstract

Apparatus and Method For Recycling Battery

5 An apparatus for recycling a battery, the apparatus comprises a sealed chamber having loading port formed on an upper portion and an unloading port formed on a lower portion, a vacuum device coupled to the sealed chamber for withdrawing air from the sealed chamber, a first gas supply device coupled to the sealed chamber for providing a flame retardant gas into the sealed chamber, a second gas supply device coupled to the sealed chamber for providing a coolant into the sealed chamber, a cutting device coupled to the sealed chamber for performing a severing operation in the sealed chamber, and a conveyor belt disposed horizontally in the sealed chamber to transport a battery received from the loading port to the cutting device for severing the battery into fragments, and to transport the fragments to the unloading port for collection.

(Fig. 1)