



# ABSTRACT

\*162162\*

The present invention provides a method and apparatus of recycling a printed circuit board for separating and retrieving a metallic material, which includes a printed metallic material, and an insulating material, both composing the printed circuit board. Both the metallic material and the insulating material, which are separated and retrieved, are possible for recycling. In the method for recycling the printed circuit board, hot filtration equipment 4a and resin-metal separation equipment 51 are used in hot filtration process P400. The waste printed circuit board 1 is heated and force-filtered so that only the insulating material 1a pass through the filter. Then, the insulating material 1a and the metallic material 1b are separated and retrieved. It is preferred that the insulating body base 23 of the printed circuit board 100 as the waste printed circuit board is made of thermoplastic resin or a mixture of thermoplastic resin and inorganic loading material. As a result, when the retrieved metallic material and the retrieved insulating material amount to necessities of recycling respectively, both the metallic material and the insulating material are possible for recycling.



\*G00002\*