

ABSTRACT

Methods for comprehensive treatment of waste copper containing solution and regeneration of metallic copper or copper compounds from waste copper containing solution are disclosed. The methods separately collect waste copper containing solutions with four different categories, prepare blister copper compounds from the categorized solution, and mix the blister copper compounds in an optimized mass ratio for recovering a copper compound or metallic copper end-products. The recycled copper compound or metallic copper and the recovered acid, alkali can be reused in the recovery treatment processes. The process disclosed in the present invention is relatively simple, and the said process can recycle and reuse all materials while reducing waste discharge and having good economic returns.

Fig.1