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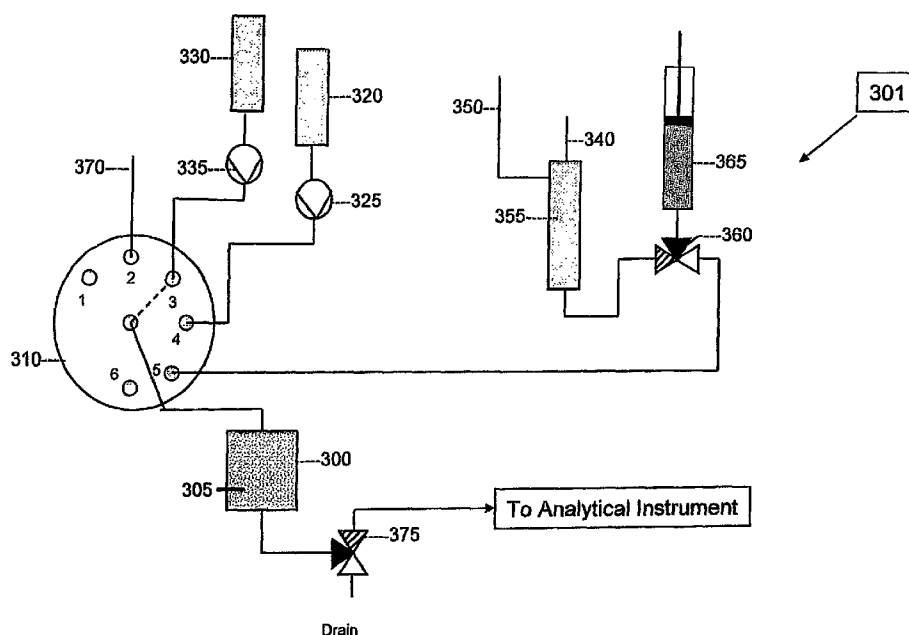
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(54) Title: ANALYSIS OF METALS IN ACIDIC SOLUTIONS



(57) Abstract: In one embodiment, a method of neutralizing the matrix of an acidic solution including at least one metal using a weak anion exchange resin is provided. The method, includes the acts of: activating the weak anion exchange resin with a weakly acidic metal complexing reagent, the weakly acidic metal complexing reagent partially disassociating into protons and metal complexing anions, whereby some functional groups in the weak anion exchange resin are protonated and bind with the metal complexing anions (400); and neutralizing a sample of the acidic solution with the activated weak anion exchange resin (405).



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