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(54) Title: DECOMPOSITION OF STRUVITE

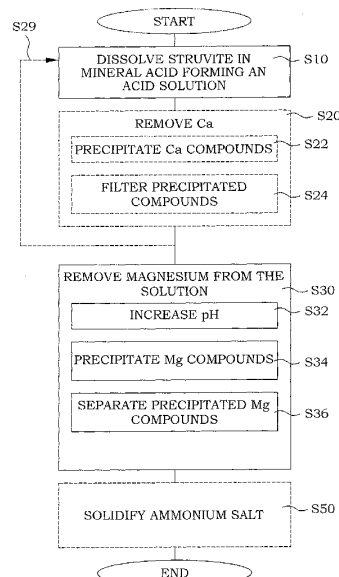


Fig. 1

(57) Abstract: A method for decomposing struvite comprises dissolving (S10) of a feed material comprising struvite in a mineral acid. Thereby a solution having an acid pH is formed. Magnesium is removed (S30) from the solution. The removing of magnesium comprises increasing (S32) a pH of the solution to a pH in the range of 4.5 to 6, precipitating (S34) magnesium compounds that do not comprise ammonium, and separating (S36) the precipitated magnesium compounds from the solution. Thereby, the solution, after the removing of magnesium, comprises an ammonium salt of the mineral acid. An arrangement for performing such a method is also disclosed. Also, a method and arrangement for recovering at least nitrogen from waste material, based on the decomposing of struvite are disclosed.