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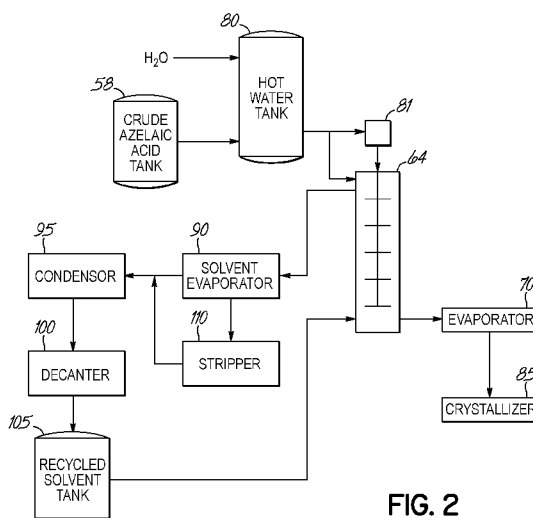


FIG. 2

(57) Abstract: A process for purifying a dicarboxylic acid that is derived from the mixed oxidation products from an ozonization of a mixture containing an ethylenically unsaturated compound having between 6 to 24 carbons, the process includes distilling the mixed oxidation products to provide a first distillate and a second distillate, partitioning the second distillate between an aqueous layer and an organic solvent layer to extract a C9 to C22 monocarboxylic acid impurity, separating the organic solvent layer from the aqueous layer, and isolating the dicarboxylic acid having a residual content of the C9 to C22 monocarboxylic acid impurity in an amount that is less than 0.5% by weight.