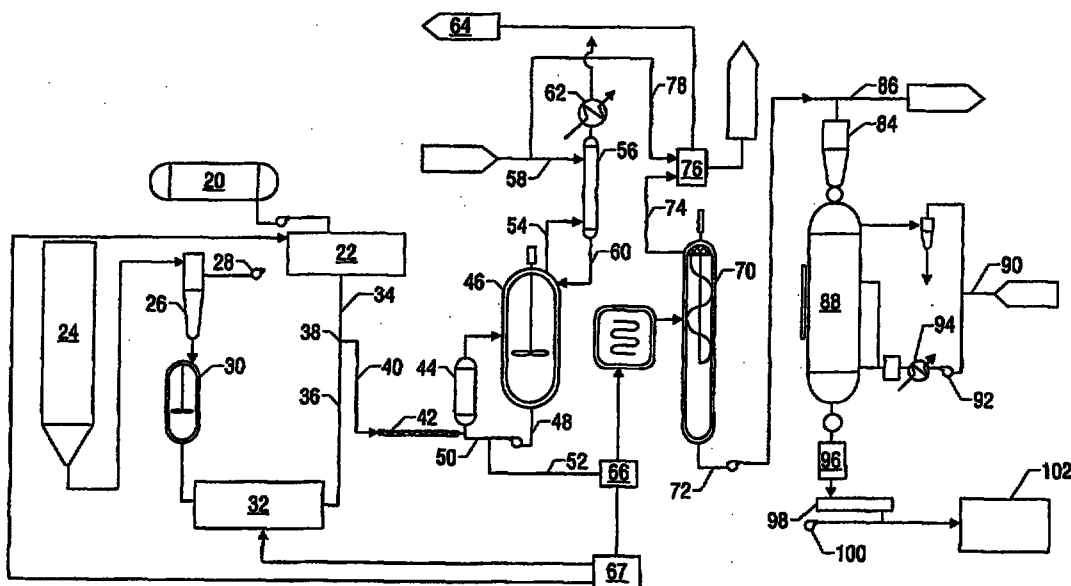




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(54) Title: CONTROL SYSTEM FOR CONTINUOUS POLYAMIDATION PROCESS



(57) Abstract

An improved polyamidation system and control system for producing a polyamide from molten dicarboxylic acid monomer and molten diamine monomer. The polyamidation control system measures the molar ratio of the molten dicarboxylic acid monomer and molten diamine monomer with a partially polymerized mixture. A feed forward control algorithm is employed within the control system to determine the extent to which the ratio of the initial reactants must be altered prior to mixing in order to produce the resulting polyamide having stoichiometrically balanced molar ratio.