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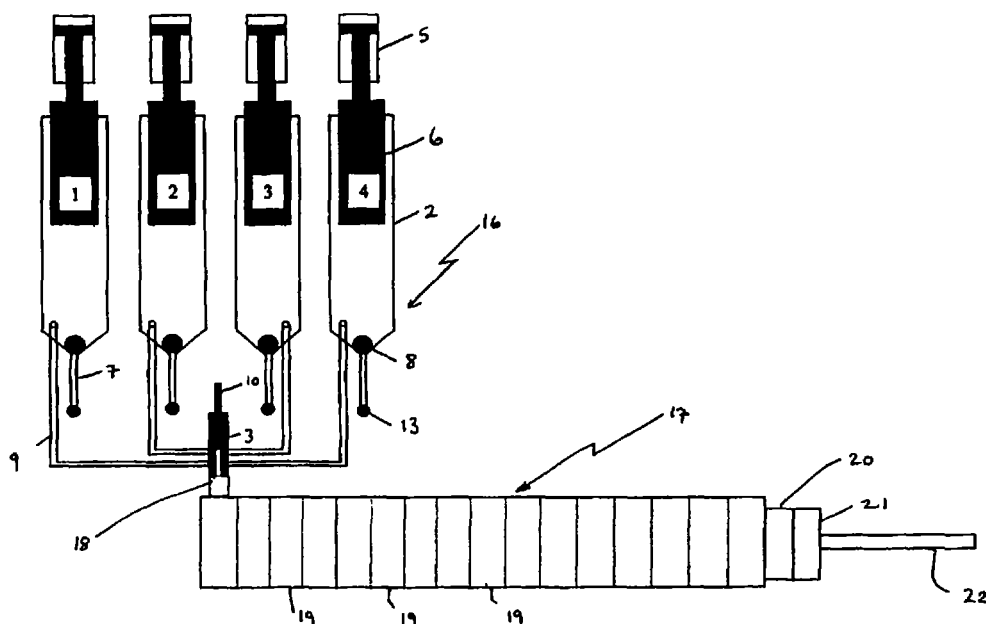
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(54) Title: **PRECISION POLYURETHANE MANUFACTURE**



(57) Abstract: A process for making a polyurethane, comprising reacting a multifunctional isocyanate, a polyol and, optionally, a chain extender, wherein at least two reagents selected from the isocyanate, the polyol, the chain extender, any mixture thereof and any pre-polymer formed therefrom, are intensively mixed prior to being reactively extruded, to form a polyurethane having a predetermined stoichiometry and thermal history. The polyurethanes obtained by such a process are of highly consistent composition and are, thus, especially suitable for use in the medical device industry.

WO 02/11975 A1