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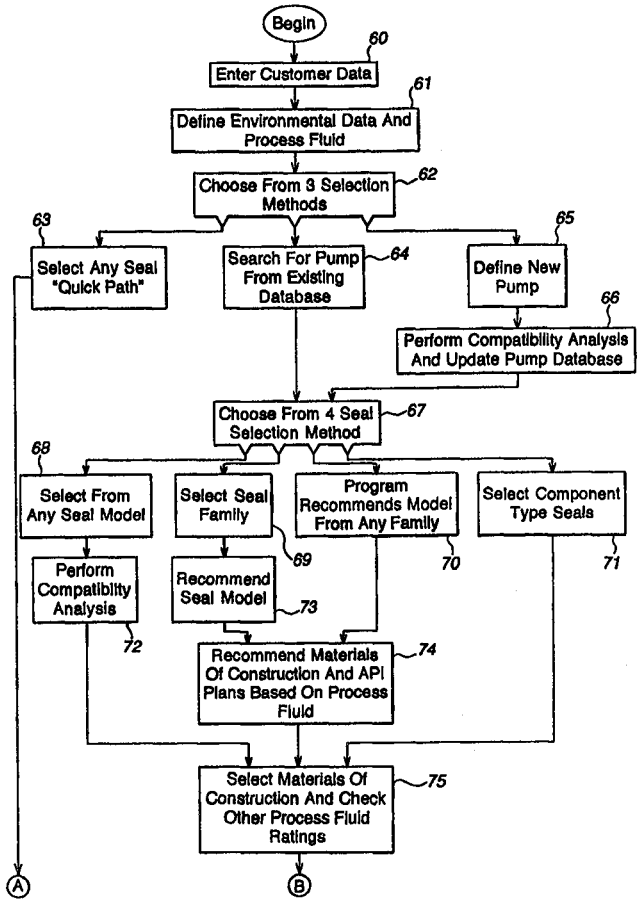
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(54) Title: APPARATUS AND METHOD FOR SELECTING A MECHANICAL SEAL

(57) Abstract

An automated seal selection, seal design, manufacturing, and post sales system allows a distributor or untrained user to select a replacement seal for a pump. The system allows selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed and the operating conditions of the pump. The pump maybe defined by searching through a database of existing pumps, or may be defined as a new pump if it is not in the pump database. An integrated design system determines dimensions for the special seal and its various components in real time providing immediate quotations including drawings. With a second option, modifications to the pump are defined so that a standard seal will fit. After a seal is specified, the system recommends materials of construction and allows the customer to select materials and other selectable options.



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