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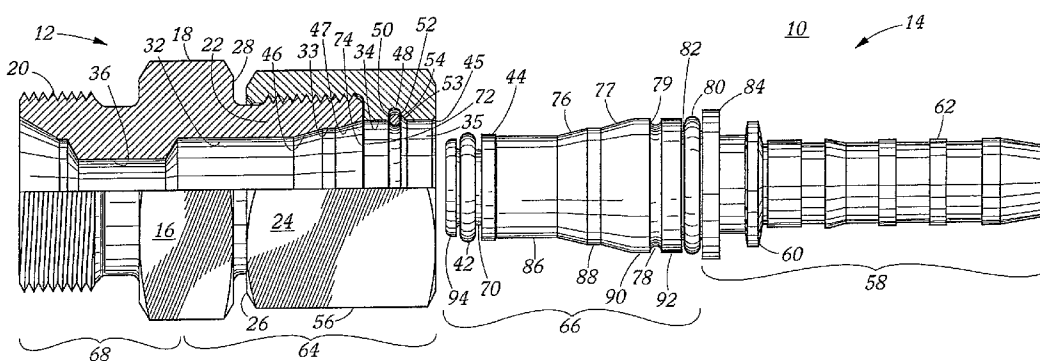
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(54) Title: QUICK CONNECT COUPLING



(57) Abstract: The present invention is an improved quick connect coupling of the type having a clip (54), a port having an interior annular groove (34) adapted to support the clip (54), a forward cylinder (32), a rear cylinder (35), and a first transition ramp (47), and defines a port peak distance. The coupling has a sealing element (42). Additionally, the coupling has a stem having a male connection portion including a forward annular seal groove (70) adapted to receive the sealing element (42), an annular lead-in surface (94), a leading support cylindrical surface (86), a following support cylindrical surface (92), a camming ramp (77), and defines a stem peak distance. It is improved by the port having an intermediate cylinder (33) between the forward cylinder (32) and the rear cylinder (35) and having a second transition ramp (46) between the forward cylinder (32) and the intermediate cylinder (33) and by the male connection portion having a centering ramp (76) and an intermediate support cylindrical surface (88) between the leading support cylindrical surface (86) and the following support cylindrical surface (92).