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(54) Title: A FEMALE COUPLER AND ASSEMBLY

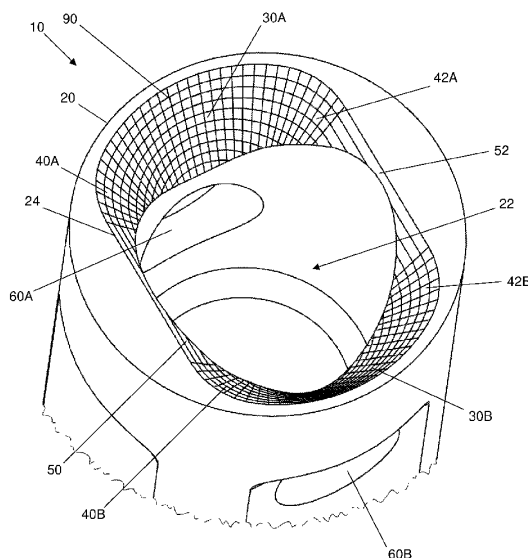


Figure 1

(57) Abstract: A female coupler adapted to receive a male coupler with at least one transverse pin, the female coupler having: a cavity, the cavity having an opening to receive the male coupler, and at least one transverse hole extending transversely from the cavity adapted to receive at least one transverse pin when the male coupler is in a received position, wherein the cavity further has at least one first alignment portion, each first alignment portion having a curved and sloped surface converging towards a longitudinal axis of one of the at least one transverse hole, the surface adapted to bias a corresponding one of the at least one transverse pin toward a corresponding one of the at least one hole as the male coupler moves towards the received position, and at least one second alignment portion, each second alignment portion having a surface geometry adapted to bias a corresponding one of the at least one transverse pin toward a corresponding one of the at least one first alignment portion as the male coupler moves towards the received position.

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