

ABSTRACT OF THE DISCLOSURE

1 An hydraulic coupling has a male member and a female member
2 for sealing engagement one with the other. The male and female
3 members are maintained in axial engagement by an axial load. The
4 male member and the female member each have an annular body
5 having an axial bore therethrough for the passage of fluid.
6 Metal, concentric inner and outer annular seal legs extend from
7 the body of the female member, and define an annular sealing
8 recess between the seal legs. The seal legs have opposed tapered
9 walls that define female sealing surfaces. An annular metal
10 sealing wedge extends from the body of the male member and has
11 inner and outer tapered walls that define male sealing surfaces
12 for insertion into the sealing recess for sealingly engaging the
13 female sealing surfaces. The axial load through the male and
14 female members is supported solely through the male and female
15 sealing surfaces so that the axial load results in a wedge-like
16 action between the sealing recess and the sealing wedge. The
17 wedge-like action deflects one of the seal legs thus allowing
18 surface contact between the male and female sealing surfaces.

This Sheet Has Been Replaced

