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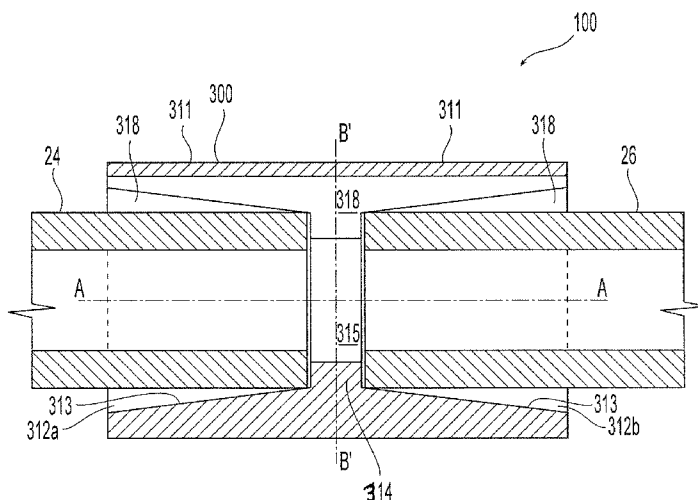
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- (54) Title:** SYSTEM FOR DETECTING AND SEALING DRY FIT CONNECTIONS IN A PIPING ASSEMBLY



- (57) Abstract:** Systems and methods for evaluating a piping system for an improperly assembled fluid tight connection. Provided is a preferred joint assembly unable to hold fluid pressure in either one of a dry fit connection and partial seal connection. The joint assembly includes a coupler to identify a leak. More specifically, the coupler includes a substantially tubular wall portion having an outer surface, an inner surface and a channel disposed along one of the inner and outer surfaces. The channel has a first configuration for carrying a fluid between an interior of the piping system and an exterior of a piping system, and a second configuration to prevent fluid from being carried between the interior and the exterior of the piping system. The channel is further preferably convertible from the first configuration to the second configuration in the presence of a minimum amount of sealant material.



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