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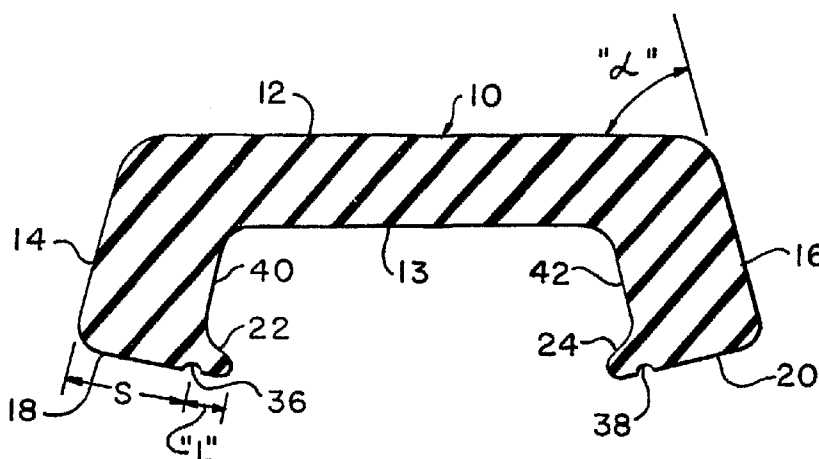
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(54) Title: GASKET FOR PIPE COUPLING AND PIPE COUPLING INCORPORATING SAME



(57) Abstract: The present invention relates to leak preventing gaskets contemplated for use with segmented pipe couplings, which generally include a pair of coupling segments adapted to receive a gasket which surrounds a pair of pipes to join the pipes together or to join a nipple or fitting to the pipe by tightening a pair of bolts and related fasteners with a corresponding pair of bolt pads on the segments. The couplings contemplated for use with the gasket of the present invention includes types which are adapted to attach grooved and flared end pipes, or non-grooved pipes in sealed relation to withstand fluid at temperatures up to and including 230°F and higher, and at pressures of up to 1,000 psi. Although such pipes generally conduct water up to about 230°F, they may also be used for toxic and volatile chemicals. The gasket of the present invention is of the ring-type which is made of an elastomeric material such as synthetic or natural rubber or combinations thereof, and preferably, ethylene polypropylene diene monomer, commonly referred to as "EPDM". The gasket provides improved sealing through a pair of sealing flanges having relatively planar and expansive inner walls, shorter sealing lips, and particular dimensional relationships with the grooved pipe ends. The invention also relates to a coupling incorporating such gaskets, as well as a method of providing a sealed coupling.

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