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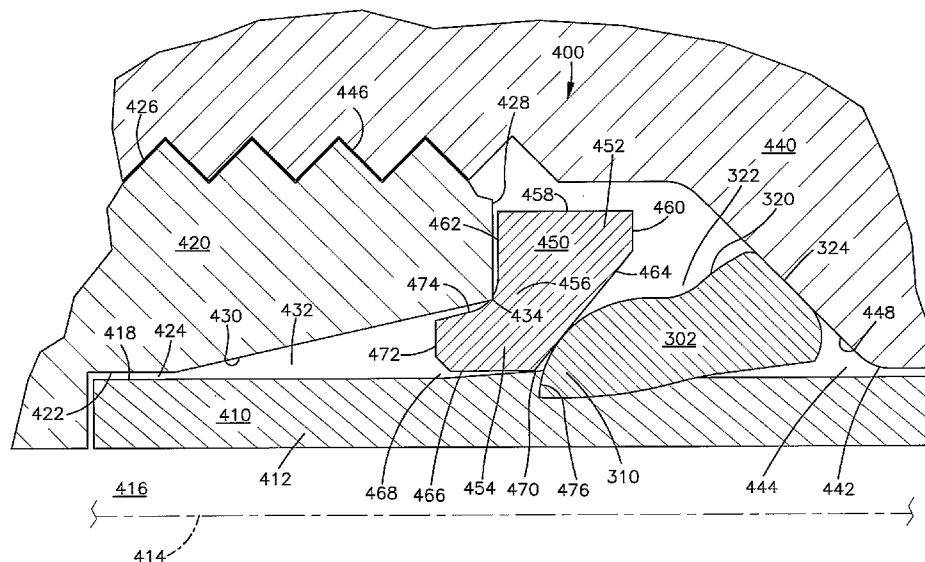
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(54) Title: FITTING FOR METAL PIPE AND TUBING



(57) Abstract: A tube fitting (400) for connection with an end portion of a tube (410) includes a fitting body (420) having a tube socket (424) for receiving the end portion of the tube. The fitting body (420) includes a tapered surface (430) that is centered on an axis of the fitting body (420), the tapered surface extending at a first angle to the axis. The fitting also includes a ferrule (302) having a front portion and a rear portion, an adaptor ring (450), and a driver (440) for applying axial force to the ferrule rear portion to move the ferrule front portion into engagement with the adaptor ring (450). The adaptor ring (450) has a camming surface (464) extending at a second angle to the axis for engagement by the ferrule front portion. At pull up the adaptor ring is in sealing engagement with the fitting body and has a negative rake angle with respect to the tube surface.

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