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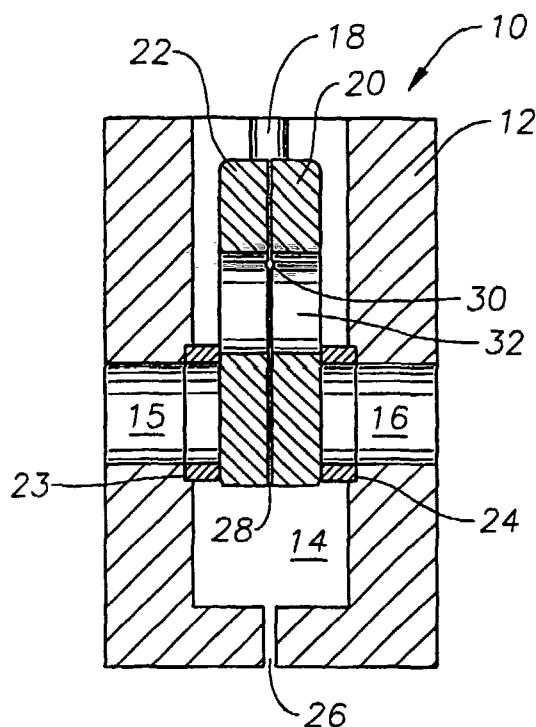
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(54) Title: VALVE FOR HYDRATE FORMING ENVIRONMENTS



(57) Abstract: Methods and apparatus for allowing the injection of hydrate inhibitors into a valve cavity without washing out the valve seals, generally comprising a valve (10) having a sealing member (12), such as a gate or a ball, that provides for fluid communication between the valve cavity (14) and the valve flowbore (15, 16). One embodiment comprises a parallel expanding gate assembly (20, 22) movable to seal inlet and outlet seals (23, 24). The gate assembly includes a flow path (28) that enables direct communication between the aligned ports (15, 16) and the valve cavity (14). This flow path (28) enables hydrate inhibitors injected into the valve cavity (14) to flow freely into the ports (15, 16) and flowbore (32) without crossing the sealing faces of the gate assembly (22, 20).



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