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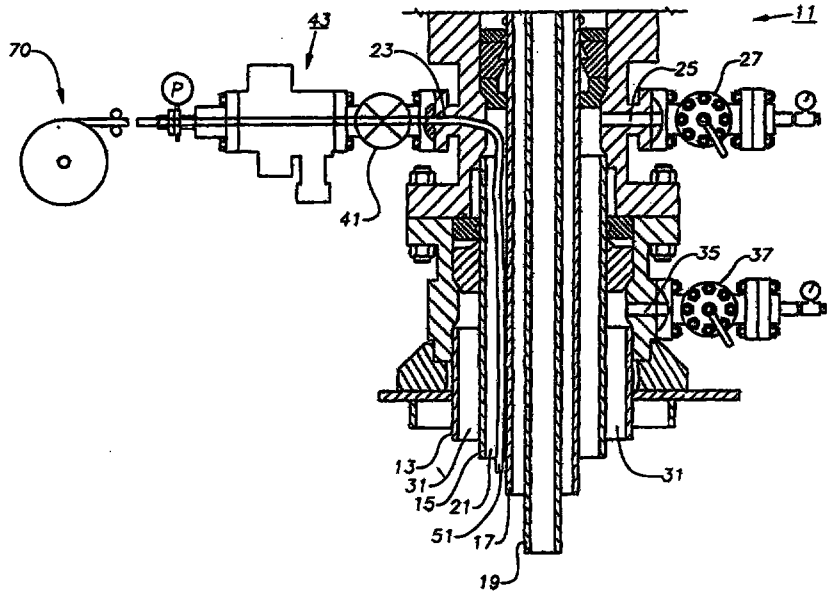
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(54) Title: CASING ANNULUS REMEDIATION SYSTEM




(57) Abstract

A casing annulus remediation system for overcoming problems associated with lowering a flexible hose (51) into an annulus (21) between strings (13, 15, 17, 19) of casing in a petroleum well by pressurizing the hose (51) so that the hose is rigid and may be forced down the annulus. A nozzle (65) is affixed to the lower end of the hose. The hose may be inserted several hundred feet into the well. Therefore, the hose (51) is pressurized to maintain rigidity to keep the hose from winding about the well during deployment. To keep the hose rigid, internal pressure is maintained in the hose (51). The nozzle (65) is provided with a burst disk (69) that holds the pressure. Once the hose is lowered to a desired depth, an operator may increase the pressure sufficiently in the hose to break the disk (69), thereby allowing heavy liquid to flow out.