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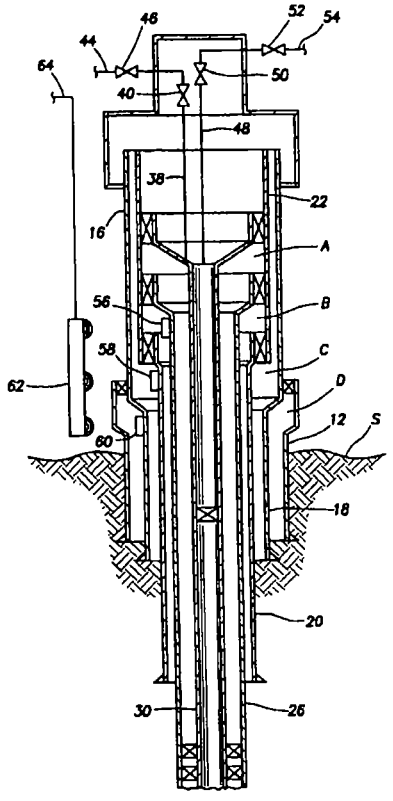
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(54) Title: NON-INTRUSIVE PRESSURE MEASUREMENT DEVICE FOR SUBSEA WELL CASING ANNULI

(57) Abstract: A well data monitoring system which enables annulus pressure and other well parameters to be monitored in the outer annuli (B, C, D) of the well casing program without adding any pressure containing penetrations to the well system. This non-intrusive approach to monitoring pressure and other well parameters in the annuli preserves the pressure integrity of the well and maximizes the safety of the well. In the preferred embodiment an intelligent sensor interrogation system (62) which can be located externally or internally of the pressure containing housing of the wellhead is capable of interrogating and receiving data signals from intelligent well data sensors (56, 58, 60) which are exposed to well parameters within the various annuli (B, C, D) of the well and wellhead program.



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