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(54) **Title**: METHOD OF DRILLING A SUBTERRANEAN BOREHOLE

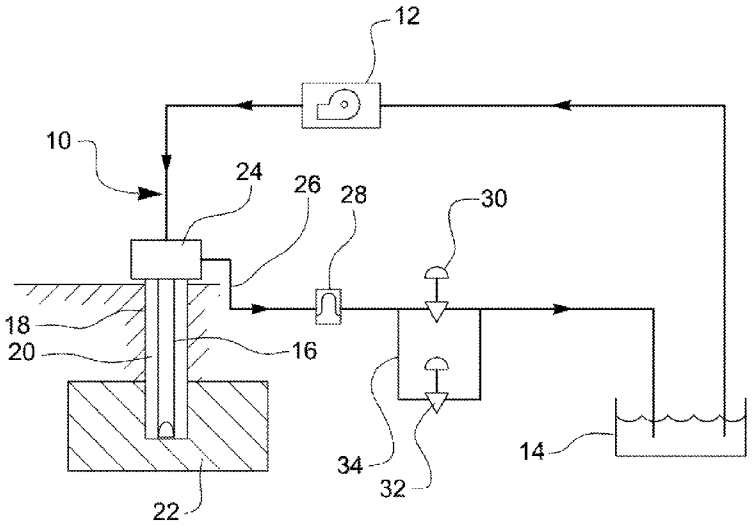

FIG 1

(57) **Abstract**: A method of drilling a subterranean well bore using a tubular drill string, the method including the steps of injecting a drilling fluid into the well bore via the drill string and removing said drilling fluid from an annular space in the well bore around the drill string via a return line, wherein the method further includes oscillating the pressure of the fluid in the annular space in the well bore, and monitoring the rate of flow of fluid along the return line.

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