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(54) Title: QUANTITATIVE NMR CLINICAL ANALYZERS WITH AUTOMATIC NMR TEMPERATURE SENSITIVITY COMPENSATION THAT ACCOMMODATE LARGE AMBIENT OPERATIONAL TEMPERATURE RANGES

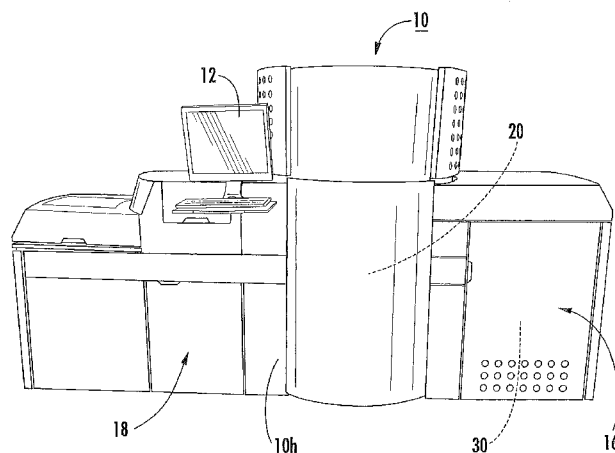


FIG. 1

(57) Abstract: NMR analyzers and associated methods, circuits and computer program products that allow NMR operation in fluctuating ambient temperature environments of at least +/- 5 degrees F in a relatively large operating temperature range, typically between about 60-85 degrees F) with the ability to still generate accurate quantitative measurements using an electronically applied temperature sensitivity adjustment based on an a priori model of temperature sensitivity and a detected temperature proximate the NMR signal acquisition (e.g., scan). The clinical NMR analyzers can be remotely accessed to evaluate linearity and temperature compensation adjustments.

