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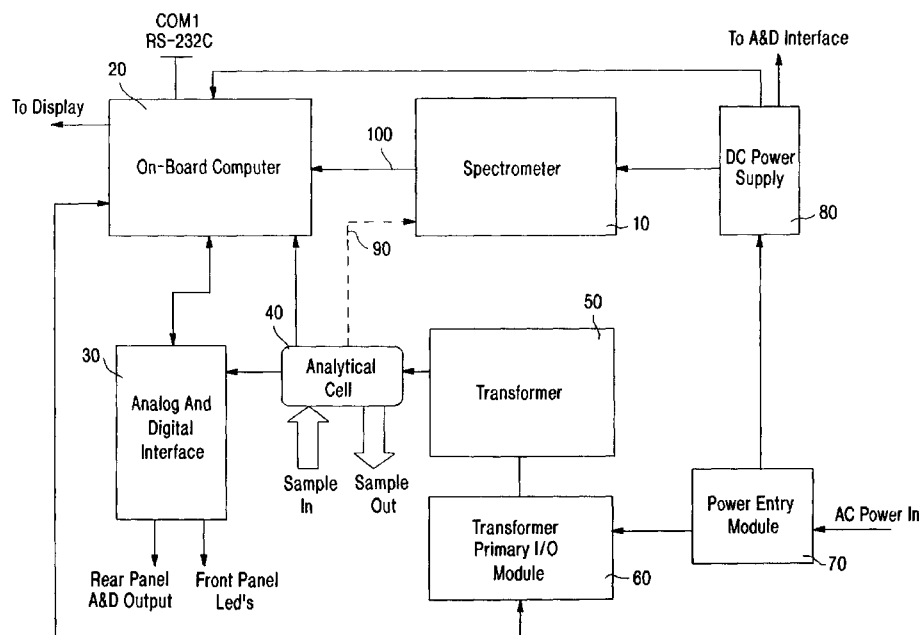
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(54) Title: EMISSION SPECTROMETER HAVING CHARGE COUPLED DEVICE DETECTOR



(57) Abstract: An analyzer suitable for performing continuous gas analysis in ultra-high purity applications. The analyser combines a low-level emission source and a gaseous emission spectrometer (10) having a charge coupled device (CCD) diode array as a detector. The CCD detector replaces one or more photomultipliers and narrow bandpass filters typically used in spectrometers. The analyser performs various processing operations to evaluate and eliminate the effect of background light level, or dark spectrum.



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