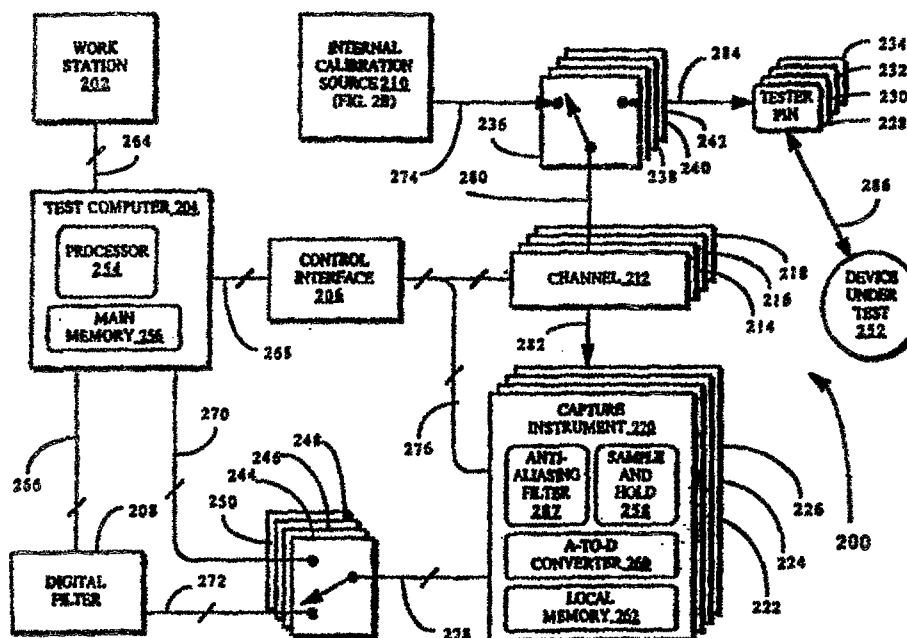




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08/760,537 **5 December 1996 (05.12.96)** **US**(71) Applicant: **TERADYNE, INC. [US/US]; 321 Harrison Avenue, Boston, MA 02118 (US).**(72) Inventors: **BECKER, James, H.; Apartment 6, 829 Boylston Street, Boston, MA 02118 (US). COOP, Kenneth, F.; 35 Carl Road, Walpole, MA 02091 (US).**(74) Agent: **GAMACHE, Richard, E.; Teradyne, Inc., 321 Harrison Avenue, Boston, MA 02118 (US).**(81) Designated States: **JP, KR, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).****Published***Without international search report and to be republished upon receipt of that report.*(54) Title: **MEASUREMENT INSTRUMENT AMPLITUDE CALIBRATION**

(57) Abstract

An electronic circuit tester, having an amplitude calibration feature, for accurately measuring signals produced by an electronic device under test, including a plurality of channels, data acquisition circuitry, and internal calibration source, and a digital filter. The internal calibration source is calibrated to a known standard. The tester then uses the internal calibration source to measure a signal amplitude error introduced by the channels and data acquisition circuitry. Next, the digital filter is automatically adjusted to correct the signal amplitude error, thereby presenting corrected data samples to a test computer for subsequent analysis.