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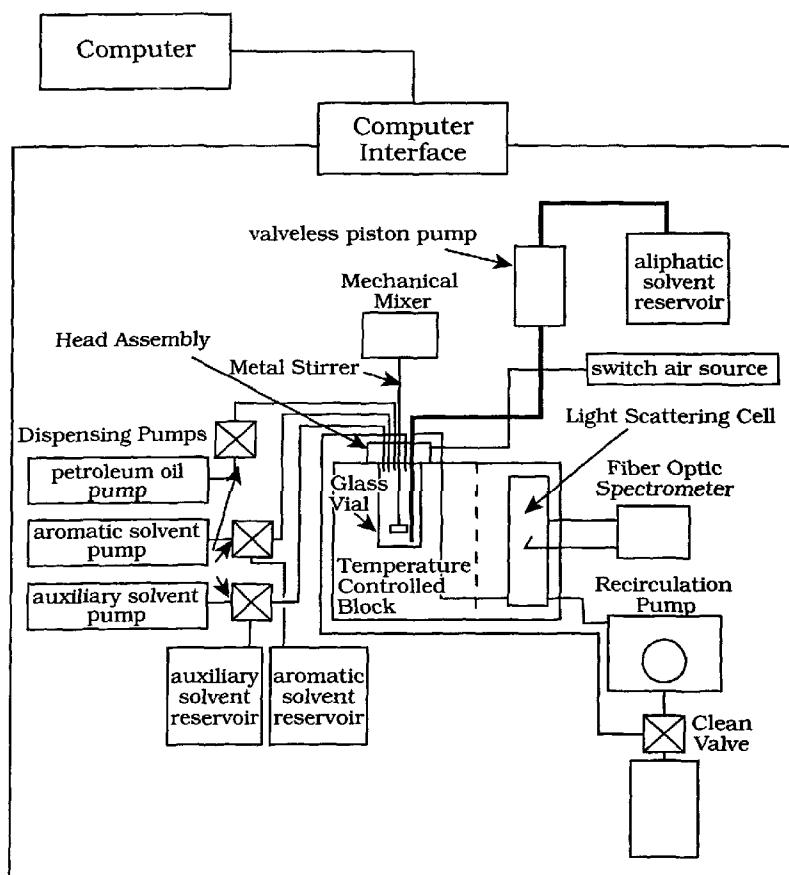
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(54) Title: COMPUTER-CONTROLLED AUTOMATED TITRATION APPARATUS FOR OPTICALLY DETERMINING INCOMPATIBILITY OF PETROLEUM OILS



(57) Abstract: An automatic titration apparatus for optically determining incompatibility of petroleum oils. The apparatus includes reservoirs for oil and solvent, a sealed temperature-controlled mixing vessel, including a liquid mixer, pumps and transfer lines for dispensing oil and solvent from said reservoirs to said mixing vessel wherein oil and solvent are mixed to form a mixture, an aggregate detector, transfer lines for transferring said mixture to the aggregate detector, and a computer programmed to operate and monitor all elements of said apparatus.



AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*