ABSTRACT

(Fig.1)

A PARTICLE SIZE MEASURING DEVICE

The device includes a laser (21) photo-sensors (23) for measuring the spatial intensity distribution of diffracting and scattering light from the specimen (22), an arithmetic unit (24) for calculating particle size distribution, a first judging means (25) for monitoring outputs from selected photo-sensors so as to see if the monitored outputs exceed a first reference (X_1) so as to know that the specimen is present in the optical system, a second judging means (26) for storing the outputs of all the photo-sensors when the specimen is present in the optical system, and seeing if a maximum value of the outputs falls within a range defined by a second and a third reference (X_2 - X_3) so as to know that the concentration of the specimen is optimal for measuring, a storage (28) for storing the outputs of all the photo-sensors as effective data only when the maximum value falls within the reference range, a third judging means (27) for seeing if predetermined sets of effective data have been stored in the storage, wherein the arithmetic unit is operated when it is found that the predetermined sets of effective data are stored in the storage.

This Sheet Has Been Replaced

