## Abstract

Dynamic Quality Control Method

A method is proposed for monitoring a production process which produces products characterised by one or more quality values. A warning signal is issued if any of the quality values from sample products are above an upper control limit or below a lower control limit. Quality values from recent sample products are used to derive the standard deviation of the quality values in the population of products, and that this variability is taken into account to dynamically vary the values of the upper and lower control limits. When the variability is low, the upper control limit is higher and the lower control limit is lower. When the variability is high, the upper control limit is lower and the lower control limit is higher.

[ Fig. 6]