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(54) **Title:** METHOD AND SYSTEM FOR ESTIMATING A FAILURE PROBABILITY ASSOCIATED WITH OBJECTS

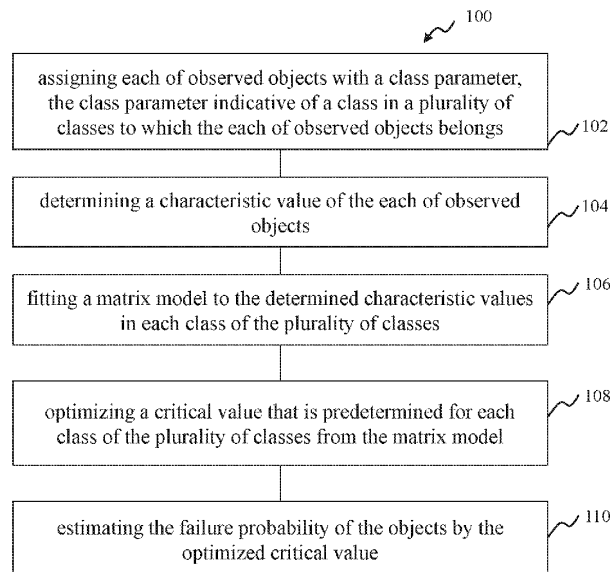


FIG. 1

(57) **Abstract:** Aspects concern a method for estimating a failure probability associated with objects. The method comprises: assigning each of observed objects with a class parameter, the class parameter indicative of a class in a plurality of classes to which the each of observed objects belongs; determining a characteristic value of the each of observed objects; fitting a matrix model to the determined characteristic values in each class of the plurality of classes; optimizing a critical value that is predetermined for each class of the plurality of classes from the matrix model; and estimating the failure probability of the objects by the optimized critical value.

[Continued on next page]



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