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(54) Title: COMPUTER-IMPLEMENTED METHOD FOR CLASSIFYING A PARTIAL DISCHARGE TYPE

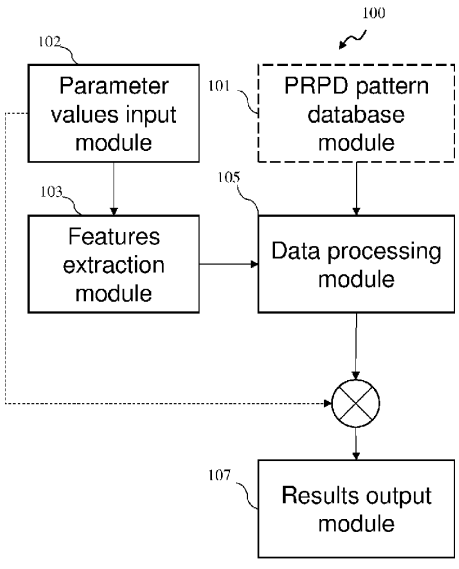


FIG. 1

(57) Abstract: Aspects concern a computer-implemented method for classifying a partial discharge type, comprising: determining a set of parameter values for generating a set of Phase Resolved Partial Discharge (PRPD) patterns from partial discharge signals, a respective PRPD pattern of the set of PRPD patterns being generated based on a respective parameter value of the set of parameter values; extracting a set of features from the set of PRPD patterns; generating a set of partial discharge scores from the set of extracted features by a pre-trained PRPD classification model, a respective partial discharge score of the set of partial discharge scores being generated for a respective feature of the set of features; and classifying a partial discharge type based on a PRPD pattern of the set of PRPD patterns corresponding to a maximal partial discharge score of the set of partial discharge scores.

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