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(54) Title: OPTIMIZED FILE CLASSIFICATION WITH SUPERVISED LEARNING

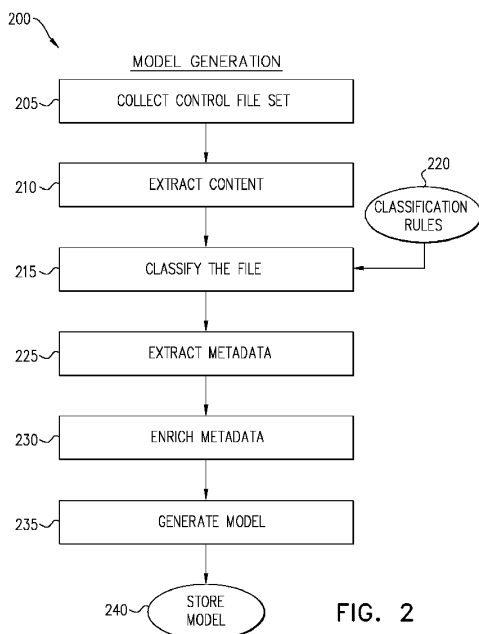


FIG. 2

(57) Abstract: A method of classifying a file, including extracting metadata from the file, assigning a classification for the file by applying a machine learning model that was trained to classify files based on the metadata, determining a confidence level representing an accuracy of the classification, wherein if the confidence level is below a threshold value analyze the content of the file to assign a classification for the file based on the content; and store the assigned file classification.

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