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(72) Inventor; and

(71) Applicant: **RAVI, Kavitha** [IN/SG]; 87 Pasir Ris Grove,
#12-15, NV Residences, Singapore 518213 (SG).

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(54) Title: COMBINATION OF ENHANCED K-MEANS CLUSTERING AND KNN CLASSIFICATION TECHNIQUES IN MEDICAL DIAGNOSIS AND TREATMENT SUGGESTIONS

(57) Abstract: Enhanced K-means clustering is applied to historical patient data by finding sum of squared distance between each data point. The process is iterated multiple times to identify the smallest variance between each data point and centroid in each cluster, and the k centroids are thus determined. K nearest neighbour is then applied to classify the data to predict disease severity and optimise treatment.