

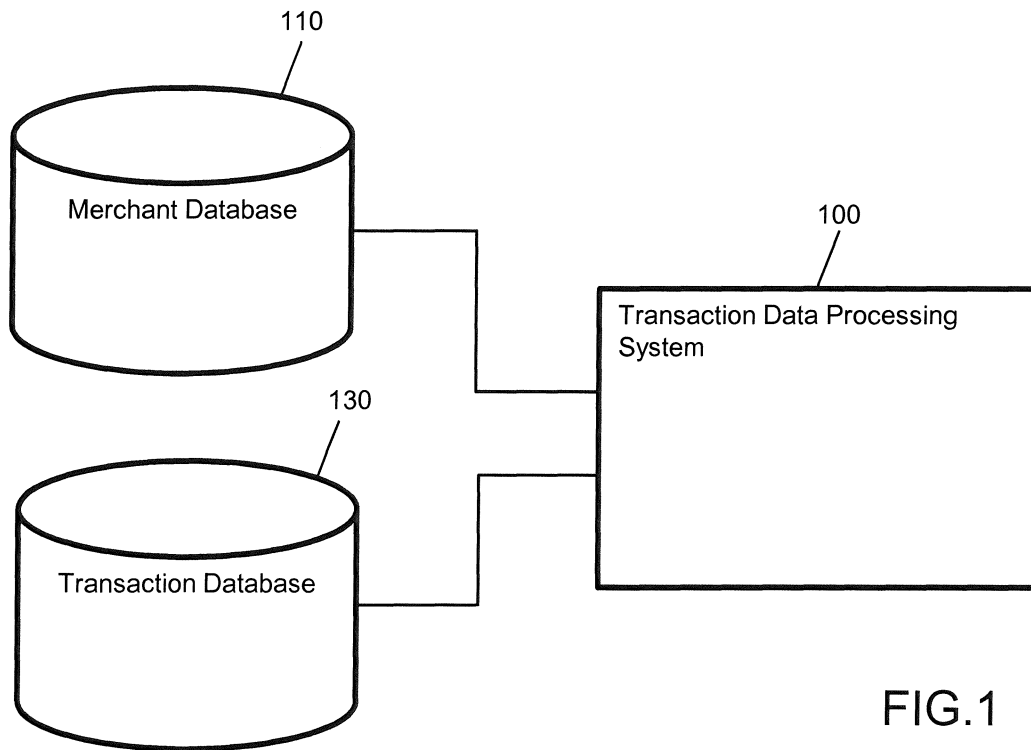


FIG.1

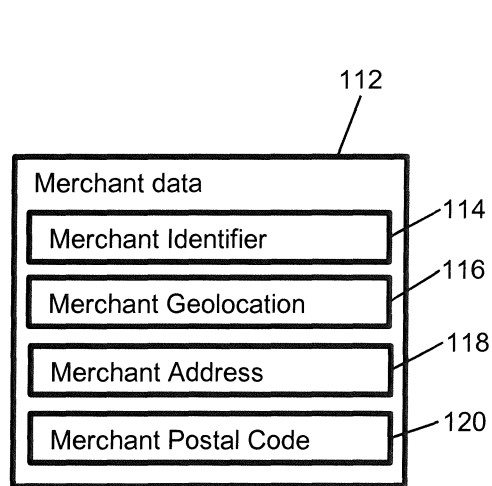


FIG.2

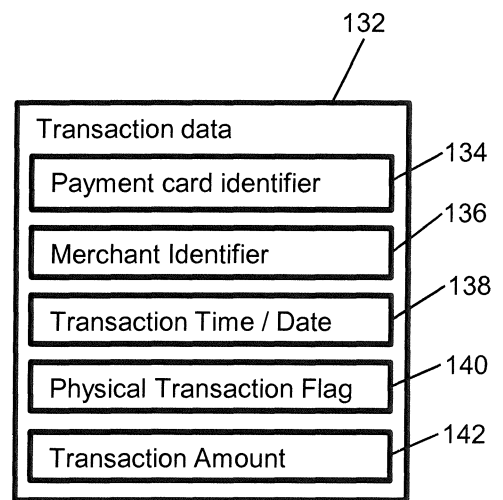


FIG.3

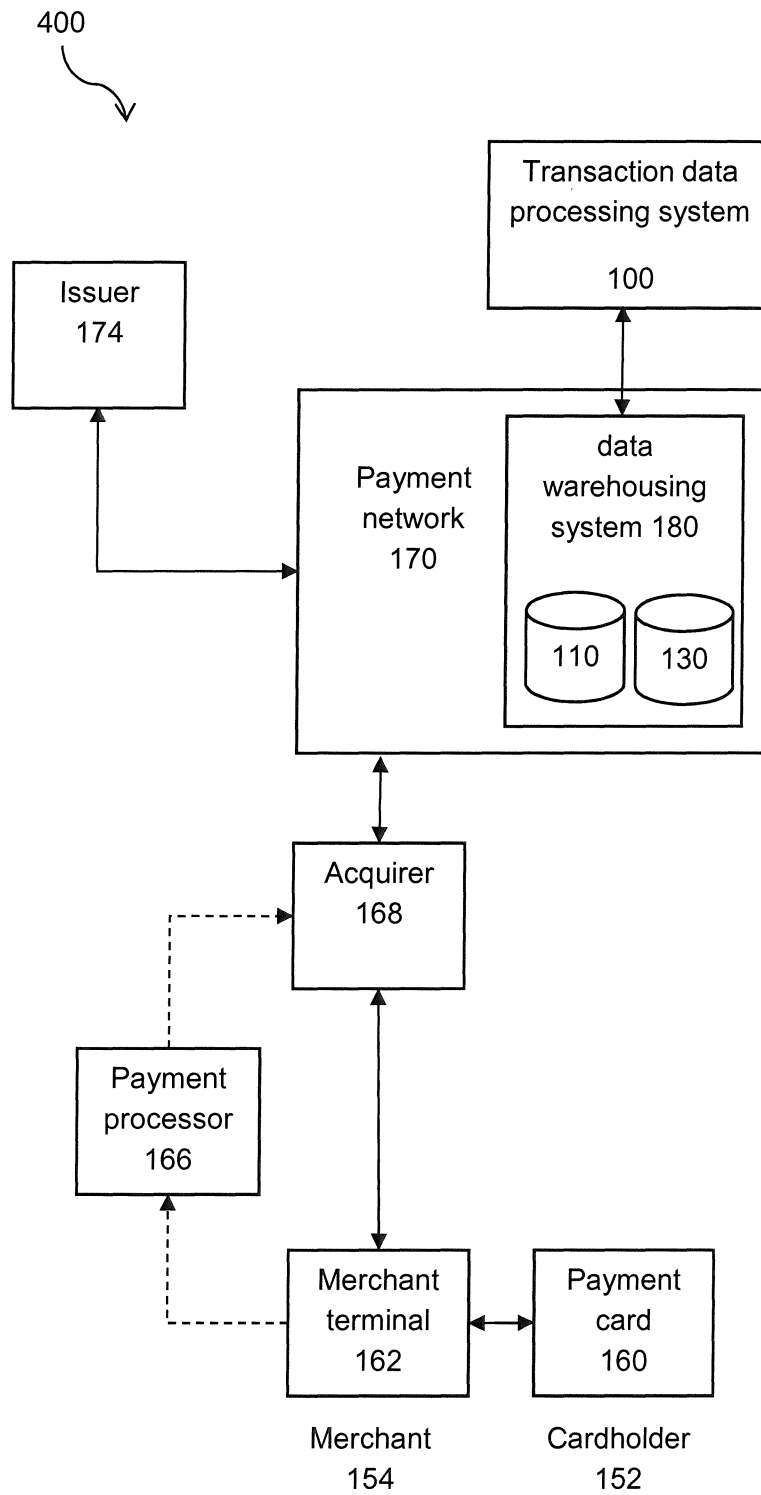


FIG.4

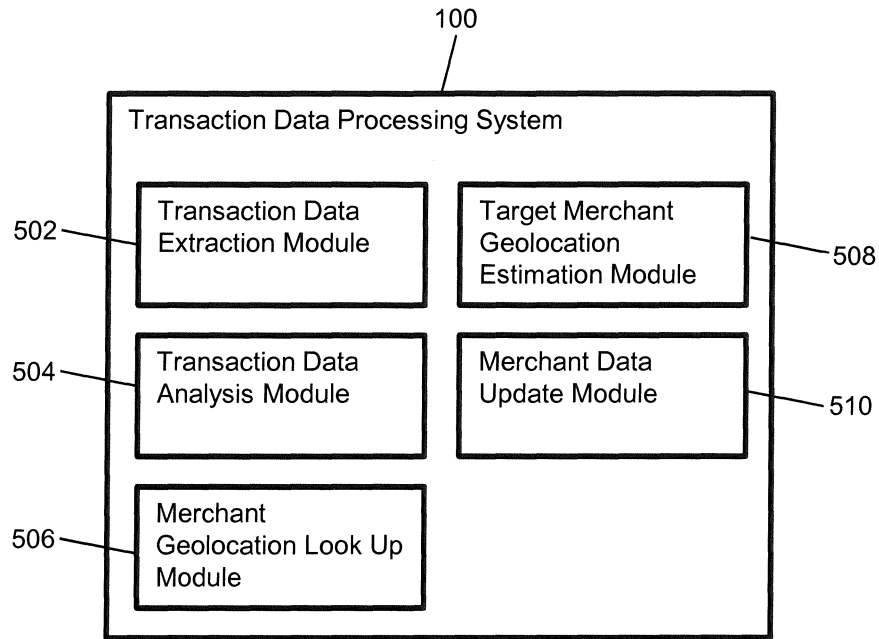


FIG.5

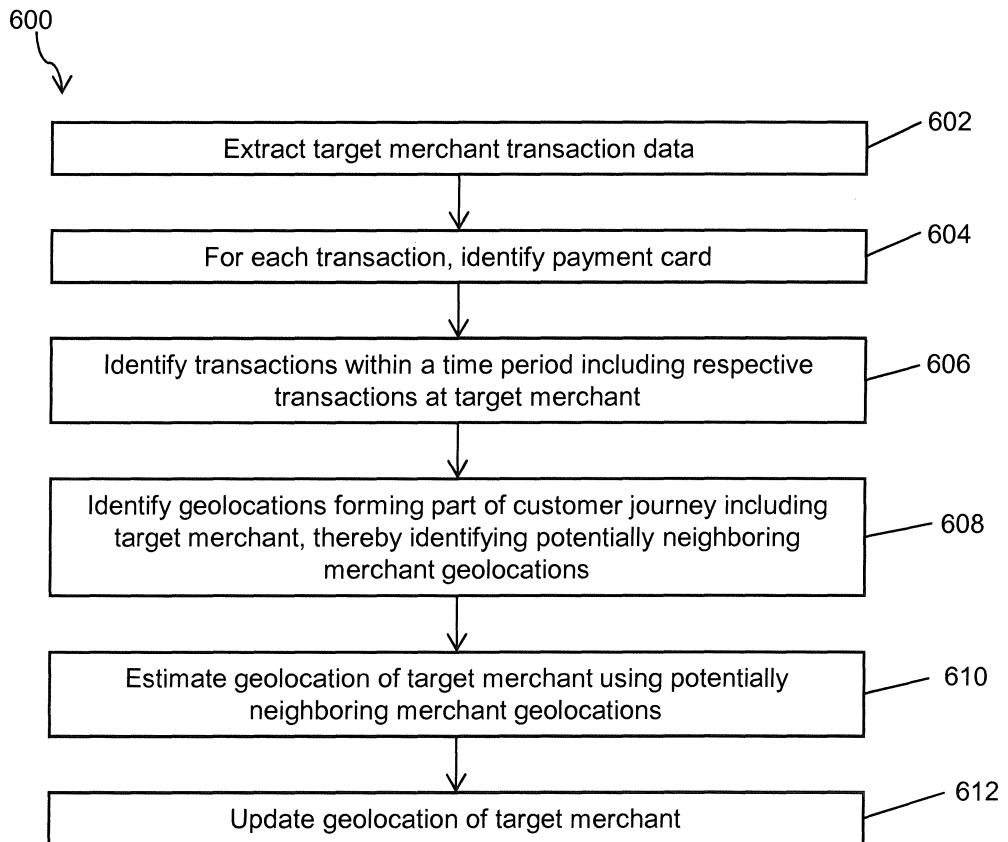


FIG.6

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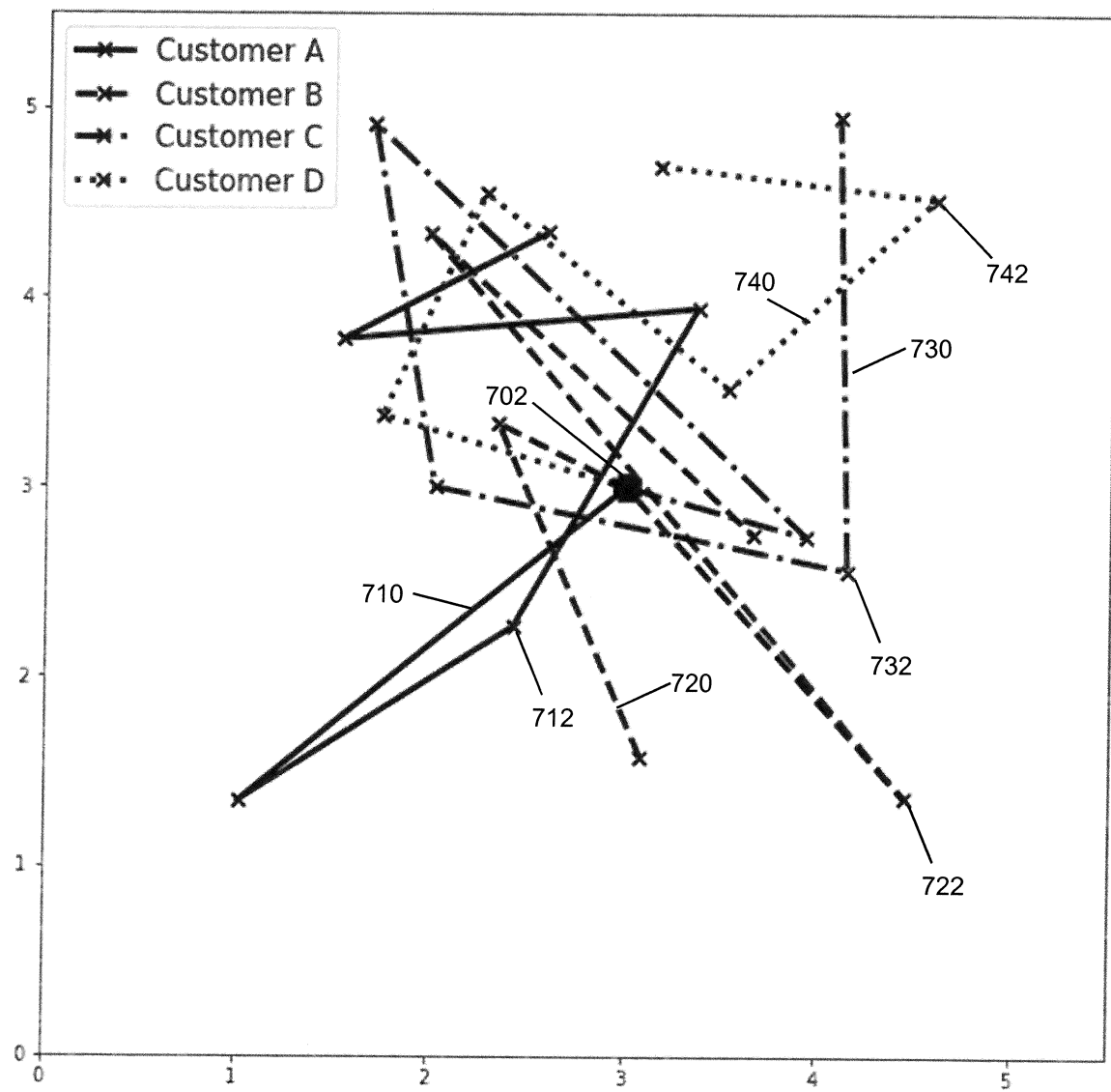


FIG.7

800

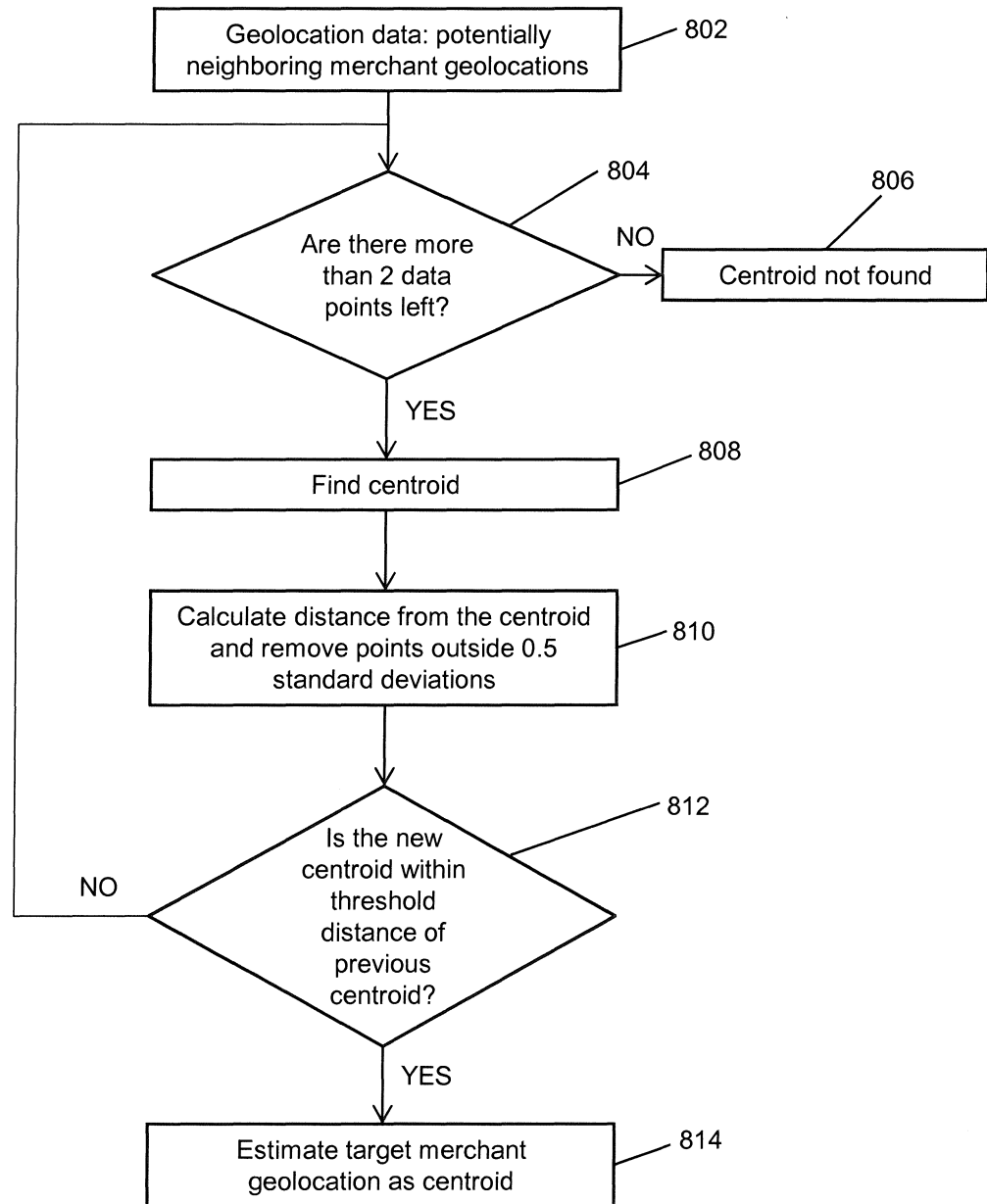


FIG.8

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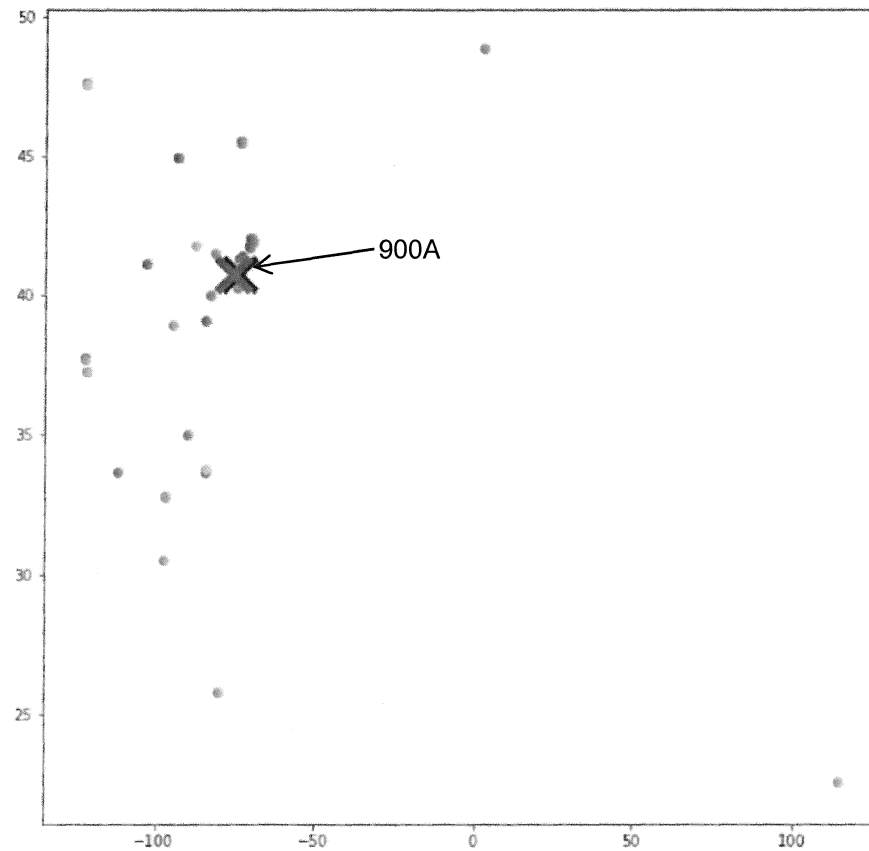
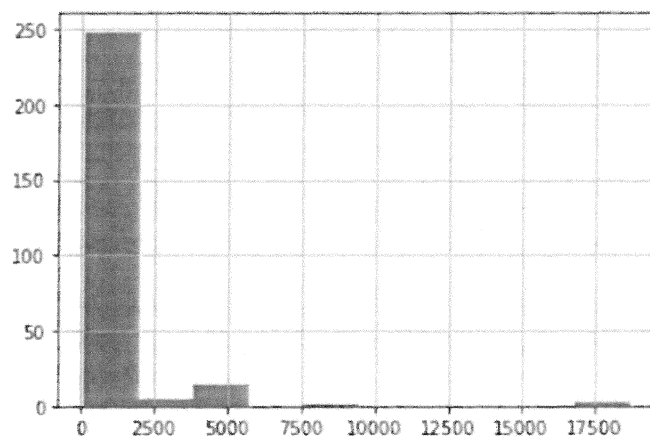


FIG.9A



Standard Deviation: 202.254 km

FIG.10A

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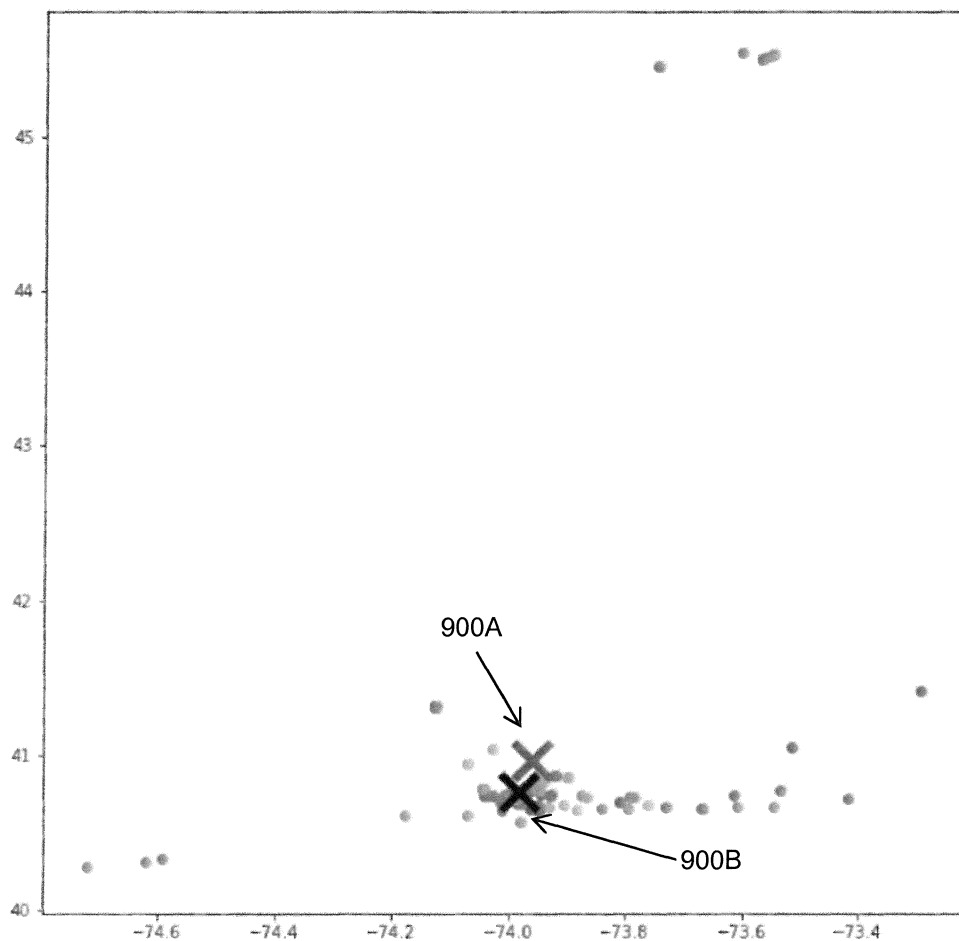
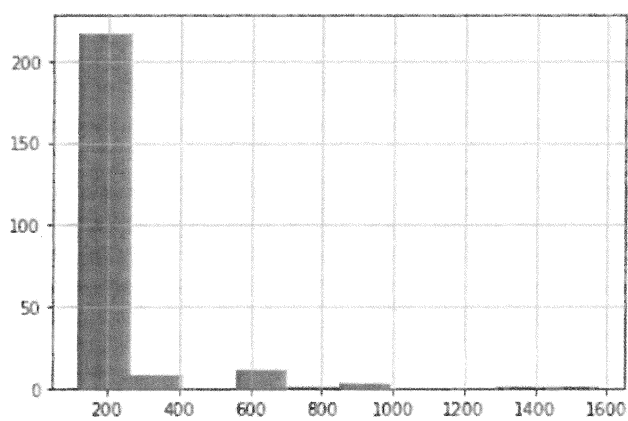


FIG.9B



Standard Deviation: 20.368 km

FIG.10B

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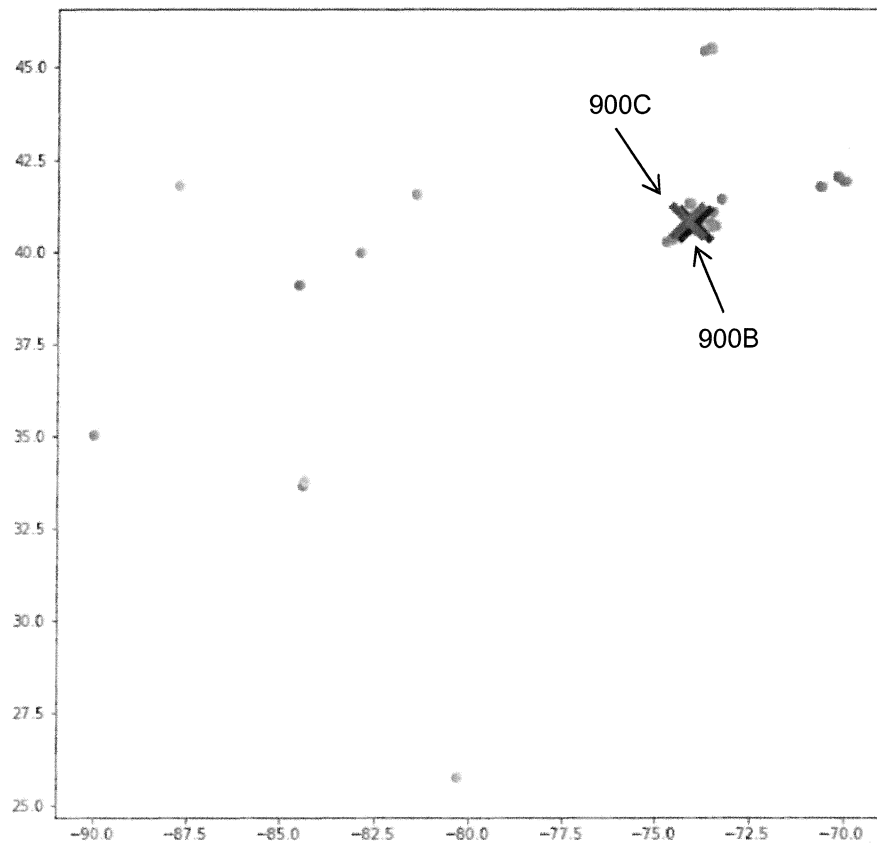
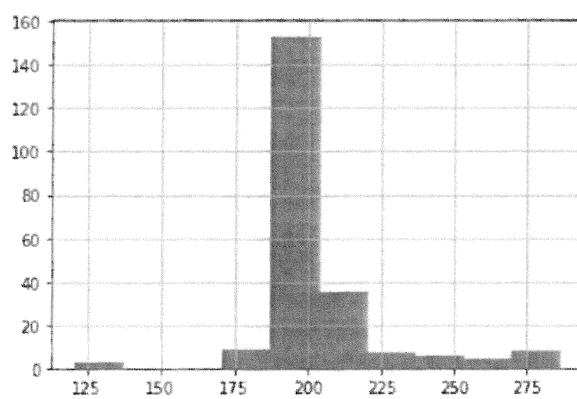


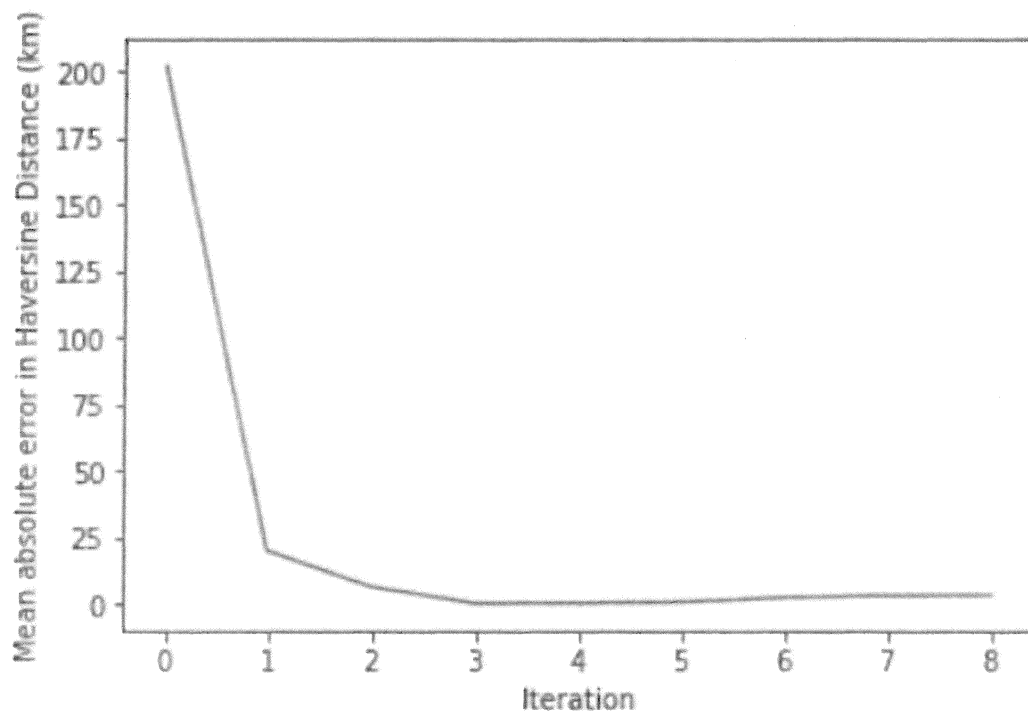
FIG.9C



Standard Deviation: 6.825 km

FIG.10C

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Predicted location

40.778991 , -73.982721

Actual location

40.762238, -73.985130

Error distance

0.580 Km

FIG.11

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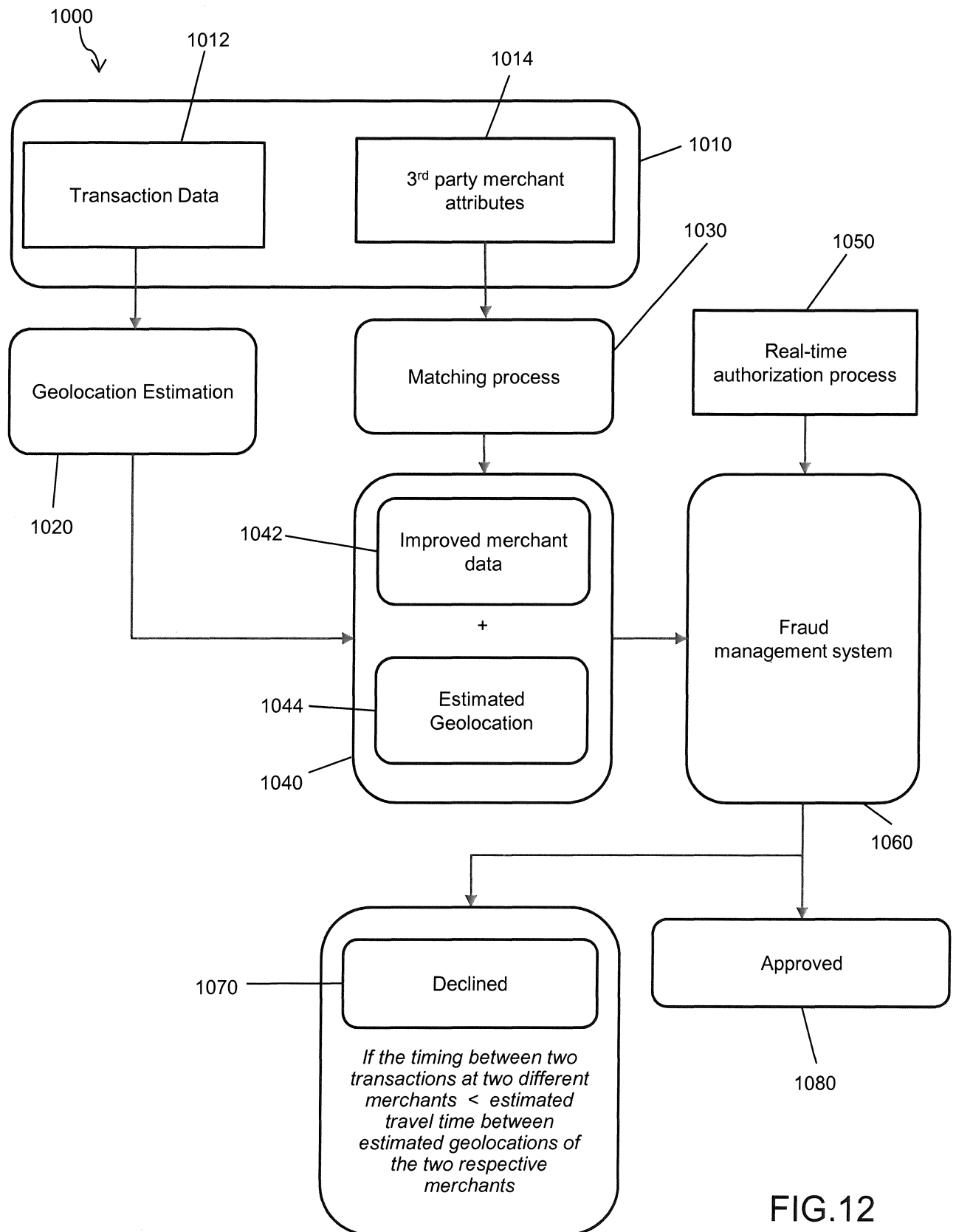


FIG.12

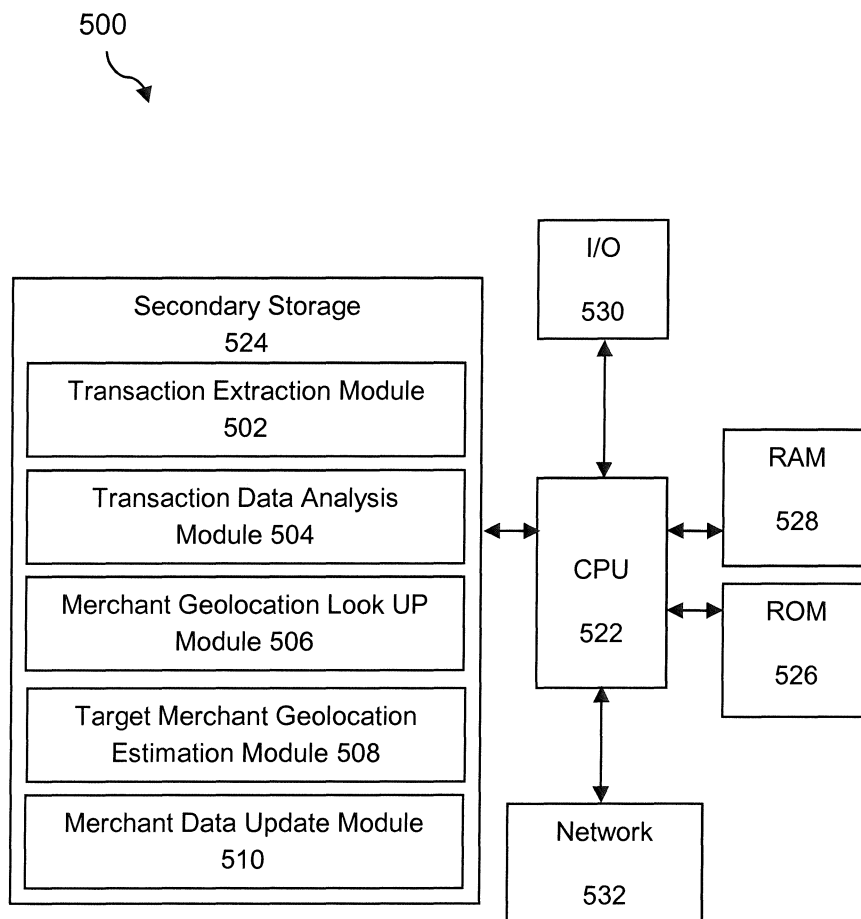


FIG.13