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(19) **United States**(12) **Patent Application Publication****Alicherry et al.**(10) **Pub. No.: US 2005/0195761 A1**(43) **Pub. Date: Sep. 8, 2005**(54) **METHOD FOR LOCATION TRACKING  
USING VICINITIES****Publication Classification**(76) Inventors: **Mansoor Ali Khan Alicherry**, Scotch  
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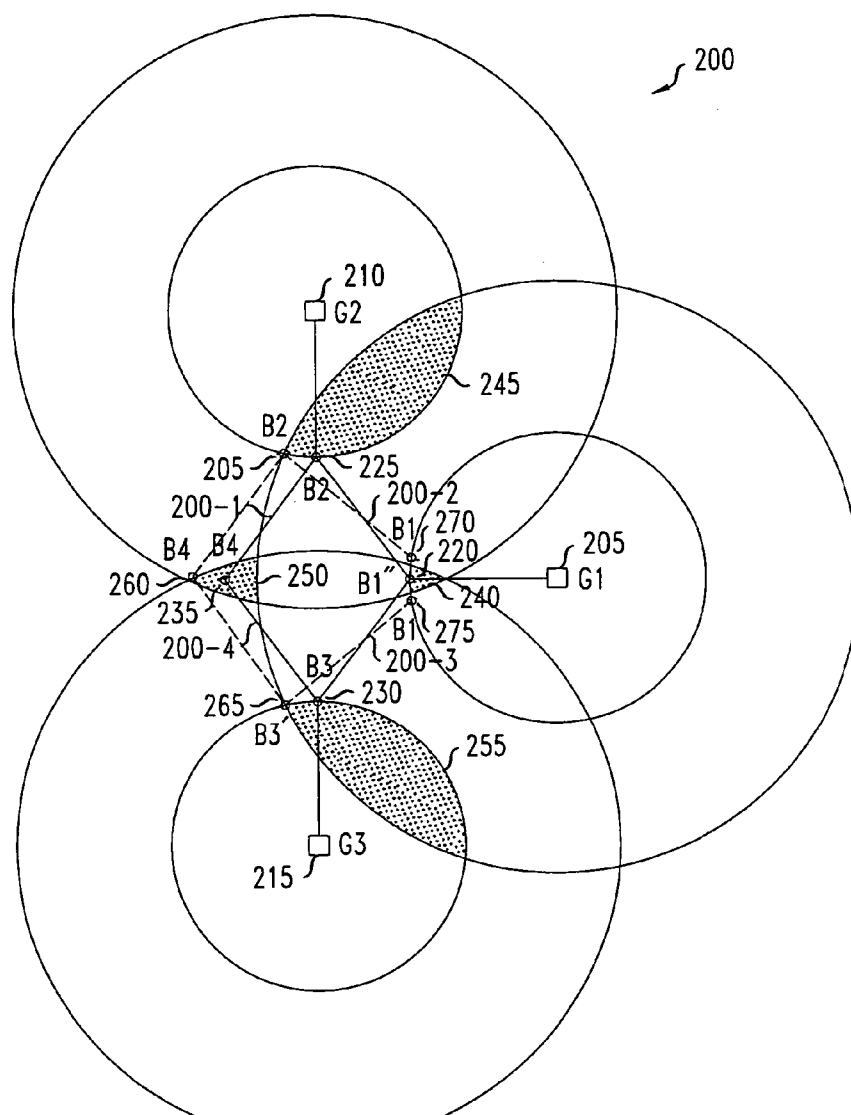
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(57)

**ABSTRACT**

A method for location tracking on a distributed basis using multiple locations, which utilizes a pairwise application of distance constraints and vicinities for determining locations. The location of a particular node is represented by a group of points (as opposed to a single point) defined by the vicinity.

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*FIG. 1*

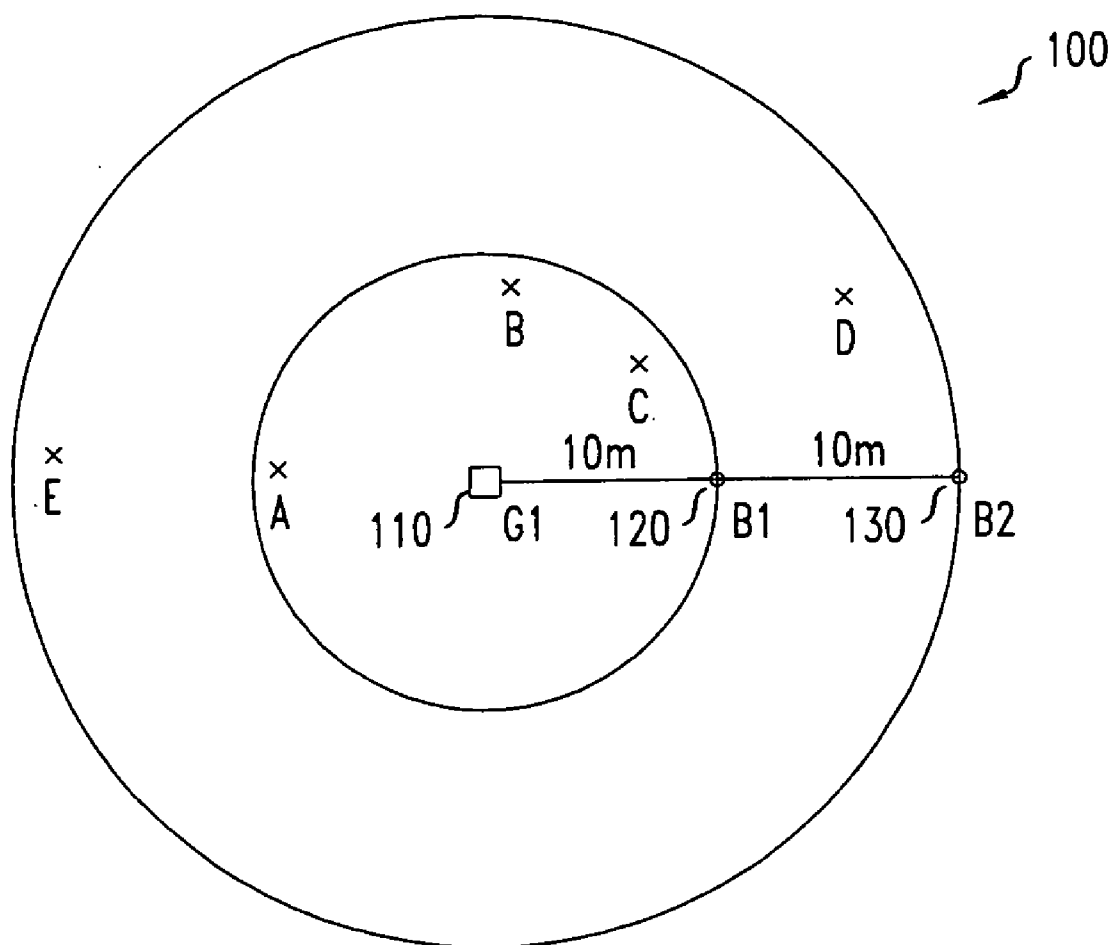


FIG. 2

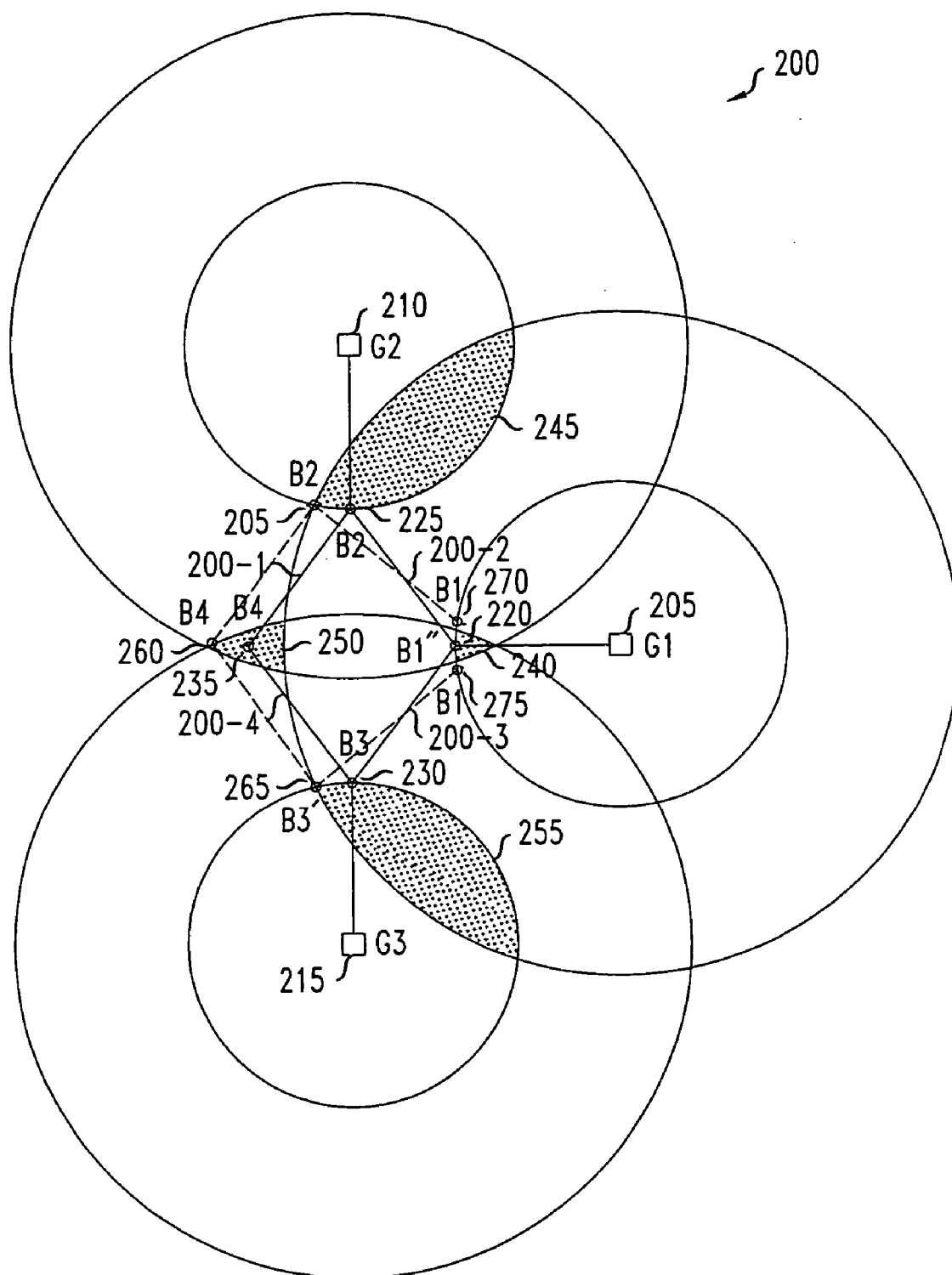


FIG. 3

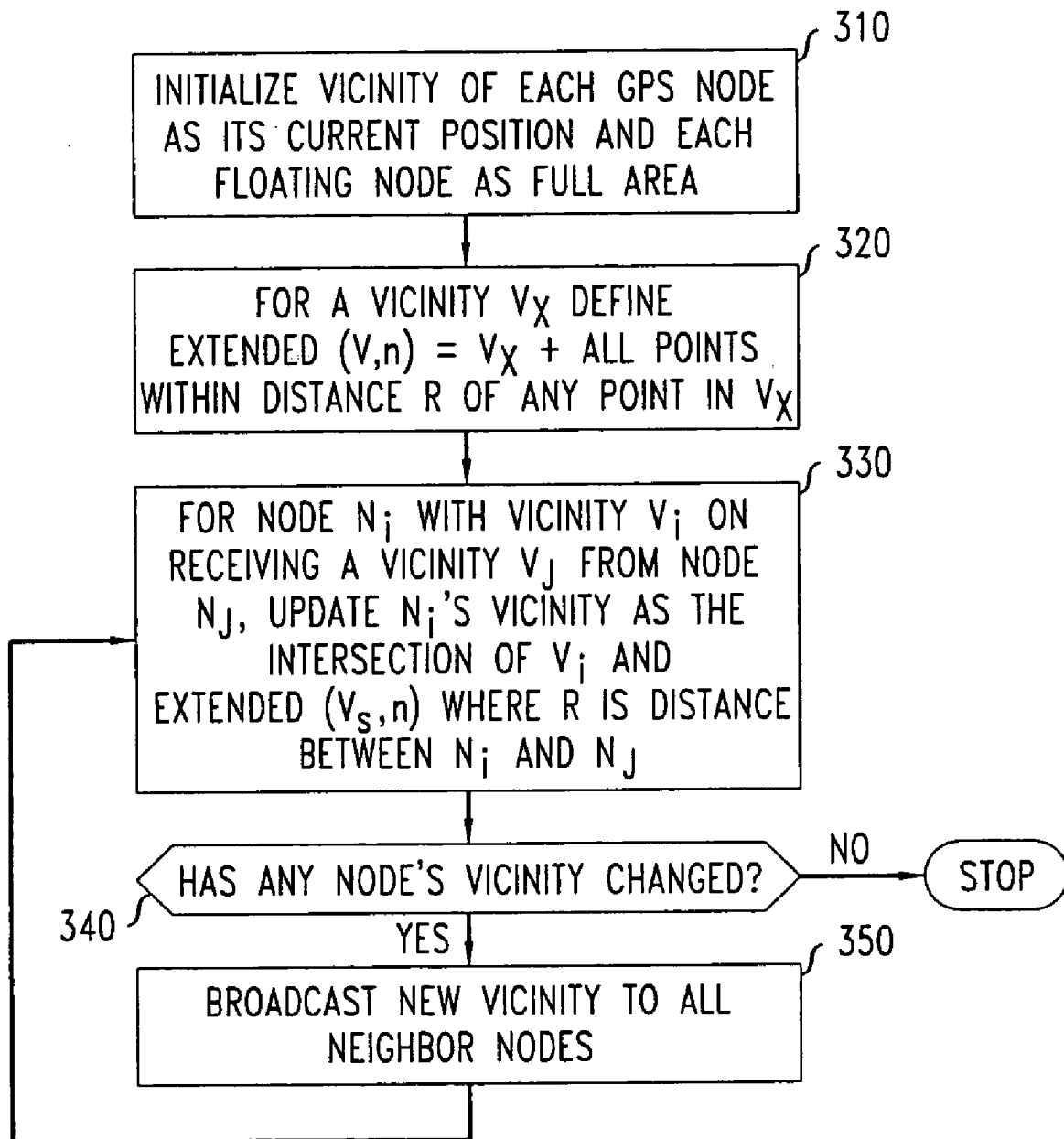
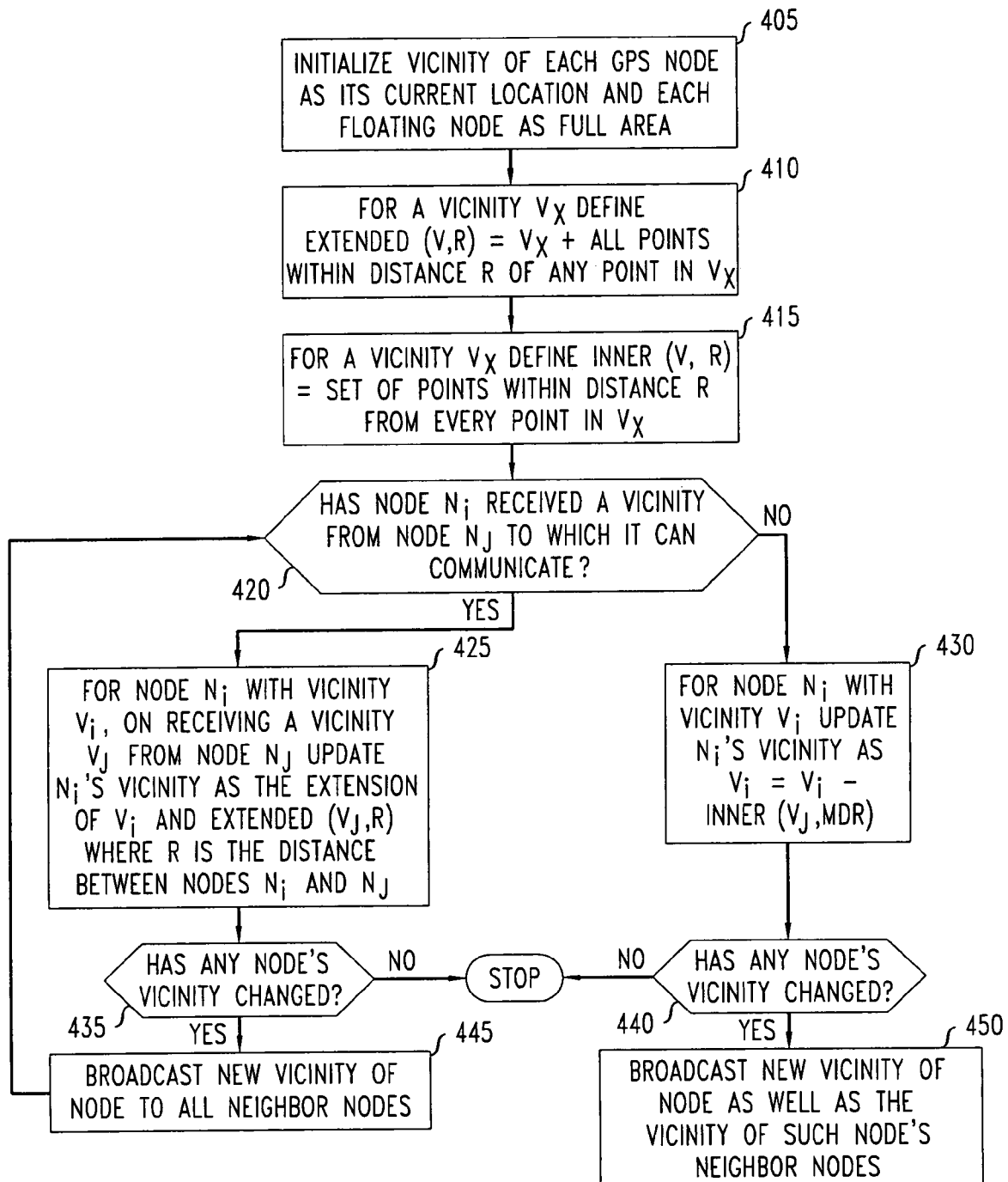


FIG. 4





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