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Huang et al.

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(54) **METHOD, DEVICE AND VEHICLE UTILIZING THE SAME**

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(51) **Int. Cl.**
G01C 21/34 (2006.01)
G01S 5/02 (2010.01)

(52) **U.S. Cl.** **701/213; 701/214; 340/993; 342/357.12**

(58) **Field of Classification Search** **701/213, 701/214, 207, 209; 340/992, 993; 342/357.12**
See application file for complete search history.

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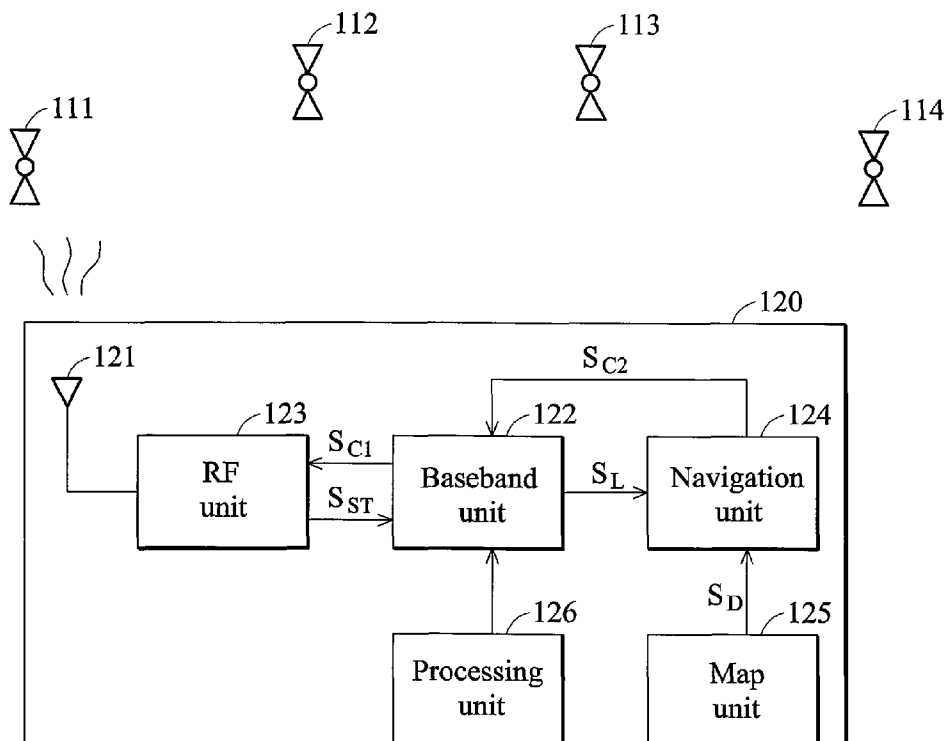
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(57) **ABSTRACT**

A global positioning system (GPS) device including an antenna and a baseband unit is disclosed. The antenna receives a wireless signal group. The baseband unit processes the wireless signal group to generate a position signal. The position signal is updated every time interval. The duration of the time interval is changed dynamically.

9 Claims, 5 Drawing Sheets



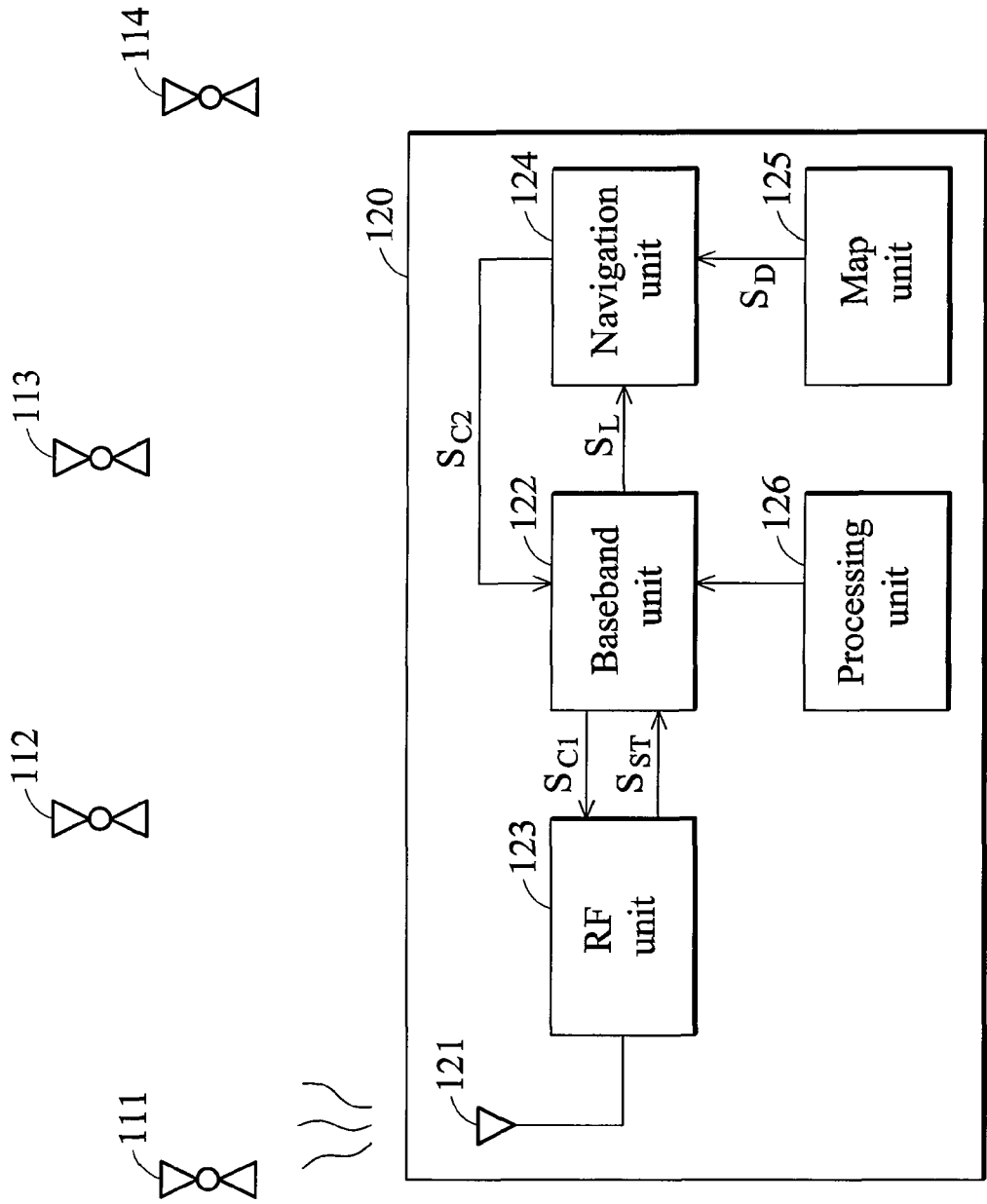


FIG. 1

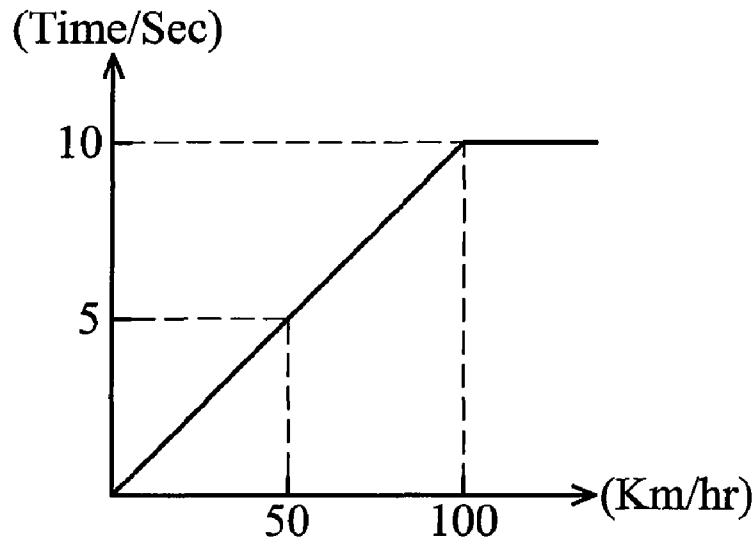


FIG. 2A

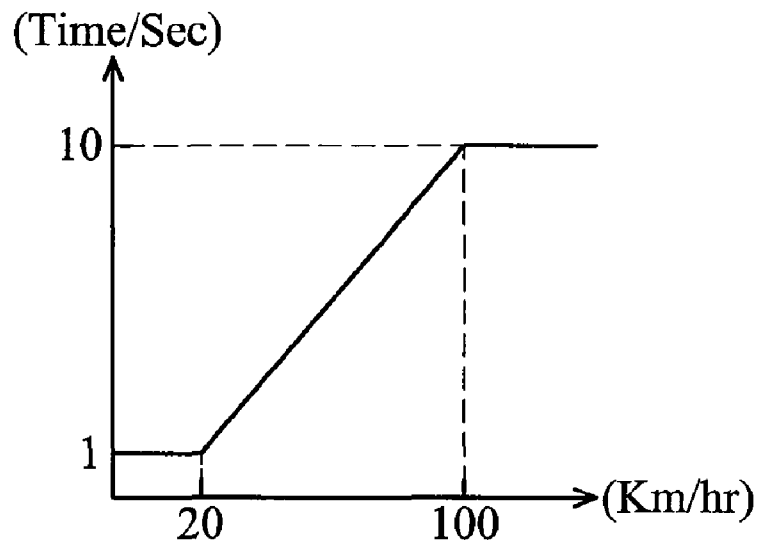


FIG. 2B

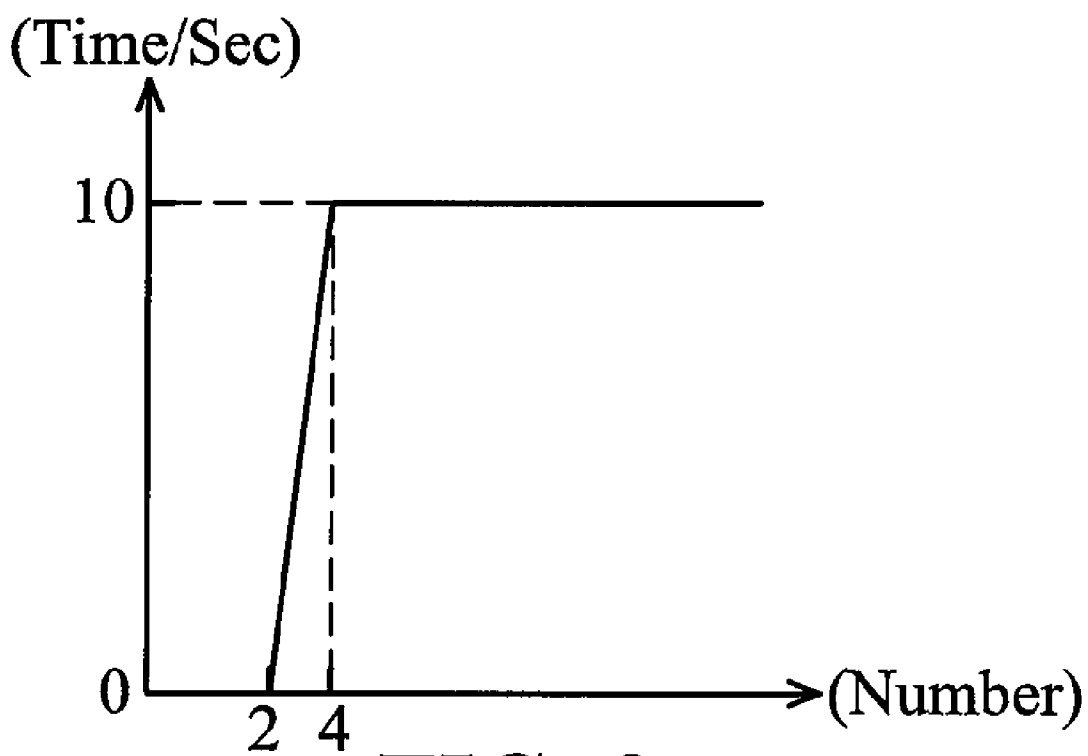


FIG. 3

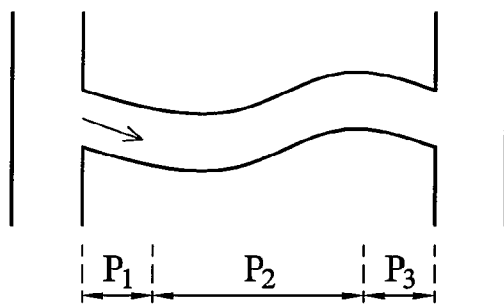


FIG. 4A

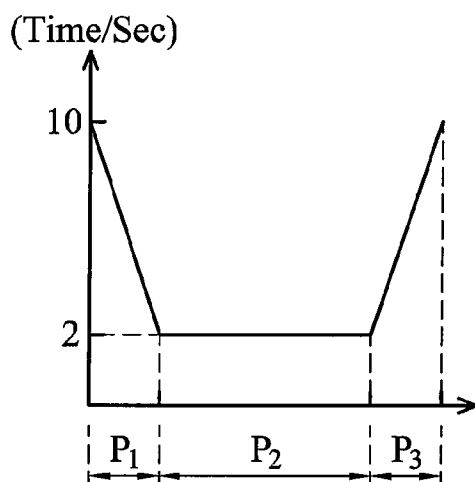


FIG. 4B

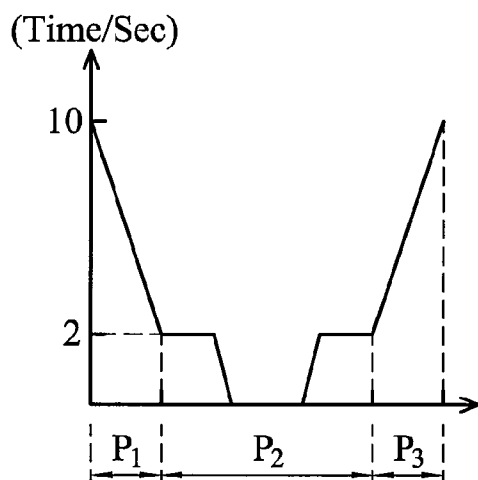


FIG. 4C

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