

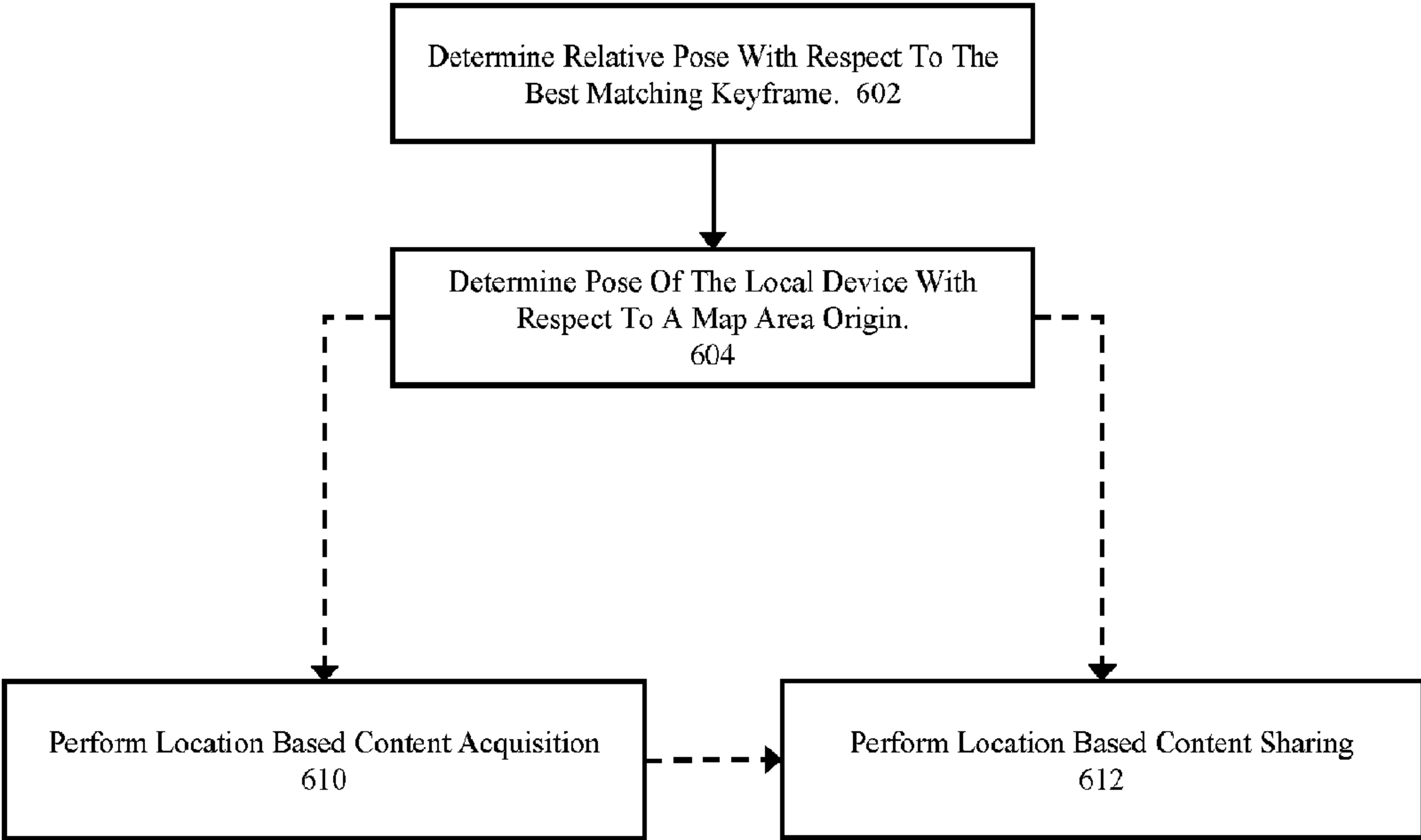


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(54) Titre : DETERMINATION DE LOCALISATION POUR SYSTEMES DE REALITE MIXTE
(54) Title: LOCALIZATION DETERMINATION FOR MIXED REALITY SYSTEMS

FIG. 6



(57) **Abrégé/Abstract:**
To enable shared user experiences using augmented reality systems, shared reference points must be provided to have consistent placement (position and orientation) of virtual objects. Furthermore, the position and orientation (pose) of the users must be

(57) **Abrégé(suite)/Abstract(continued):**

determinable with respect to the same shared reference points. However, without highly sensitive and expensive global positioning system (GPS) devices, pose information can be difficult to determine to a reasonable level of accuracy. Therefore, what is provided is an alternative approach to determining pose information for augmented reality systems, which can be used to perform location based content acquisition and sharing. Further, what is provided is an alternative approach to determining pose information for augmented reality systems that uses information from already existing GPS devices.

FIG. 1

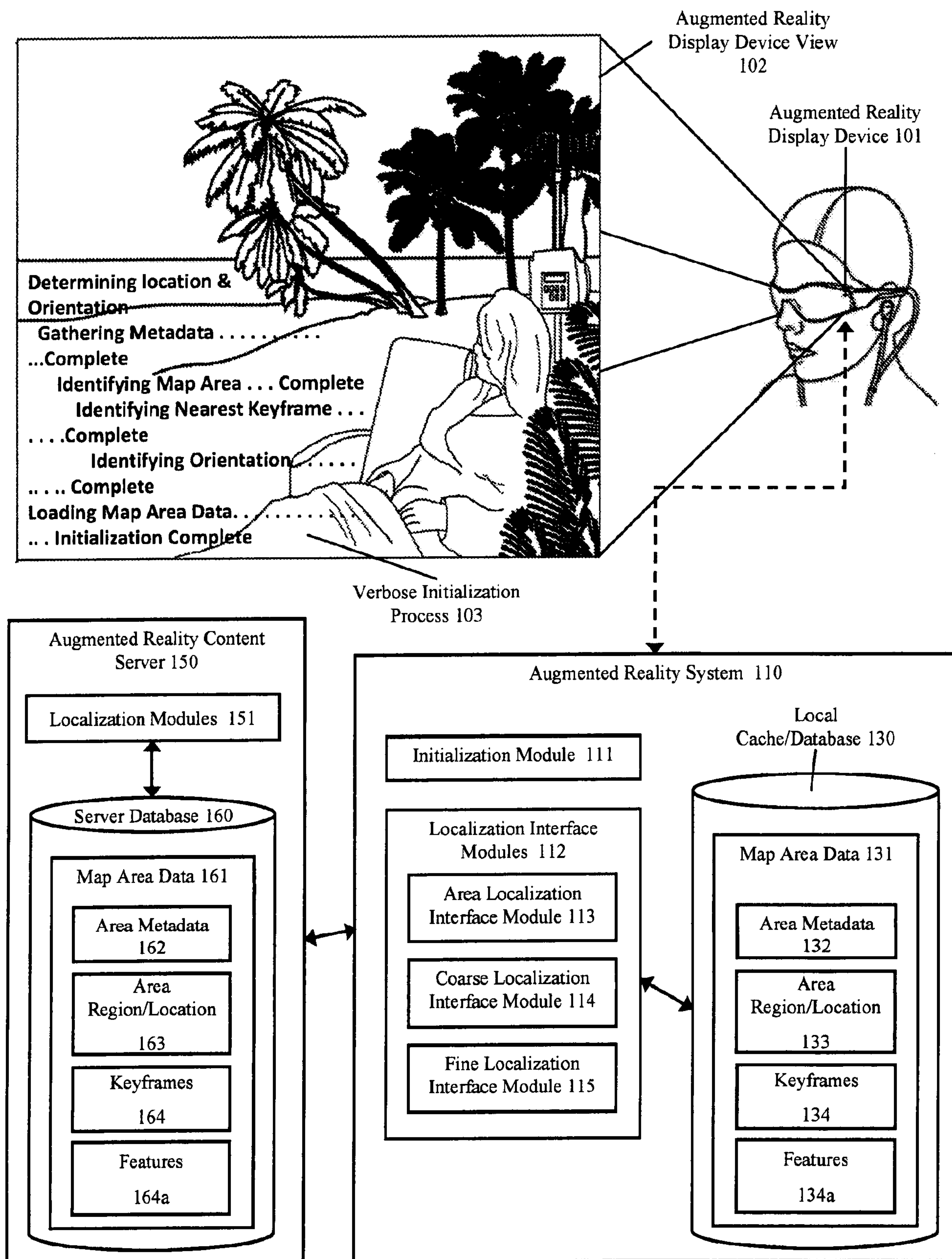


FIG. 2A

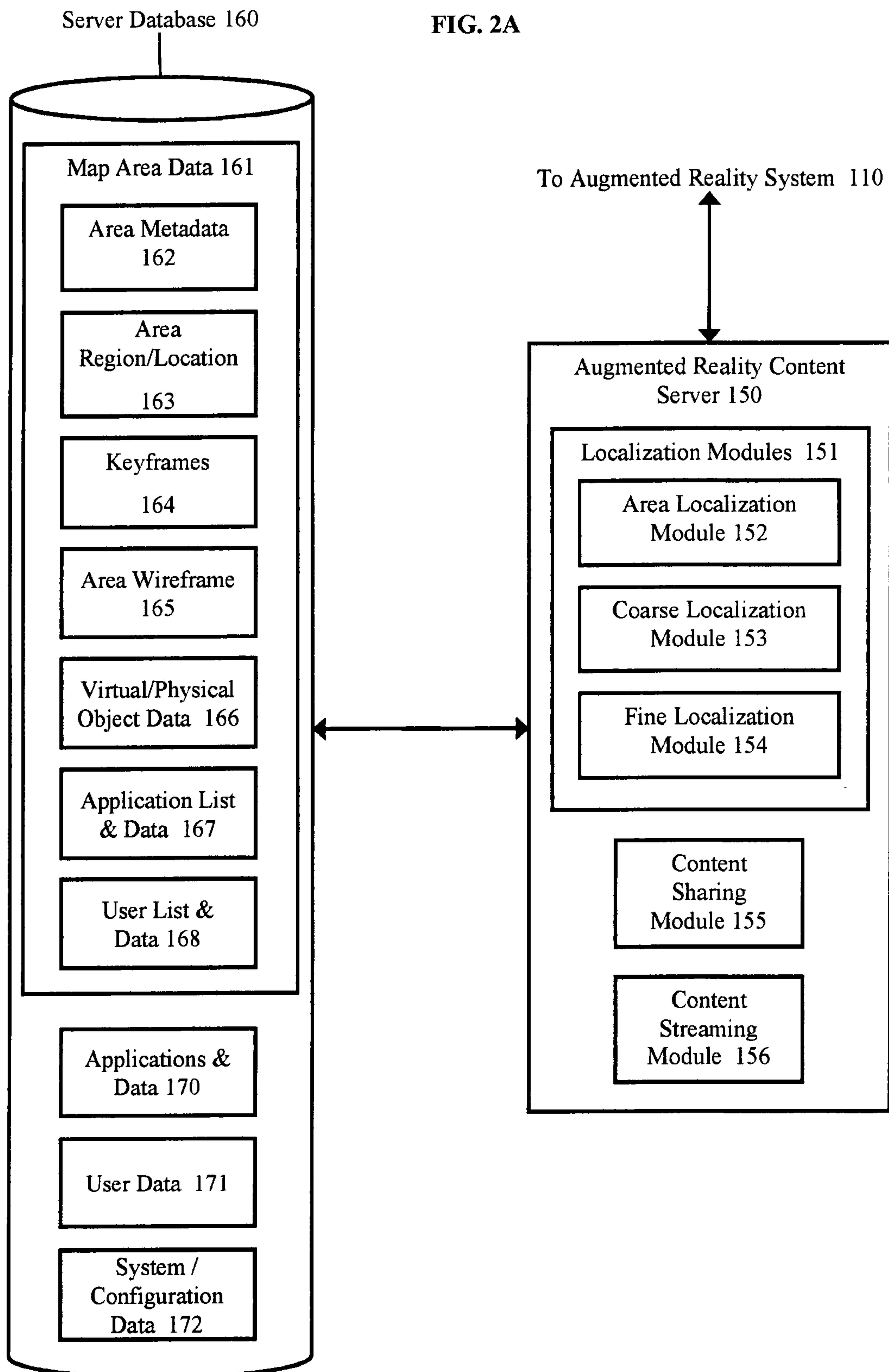


FIG. 2B

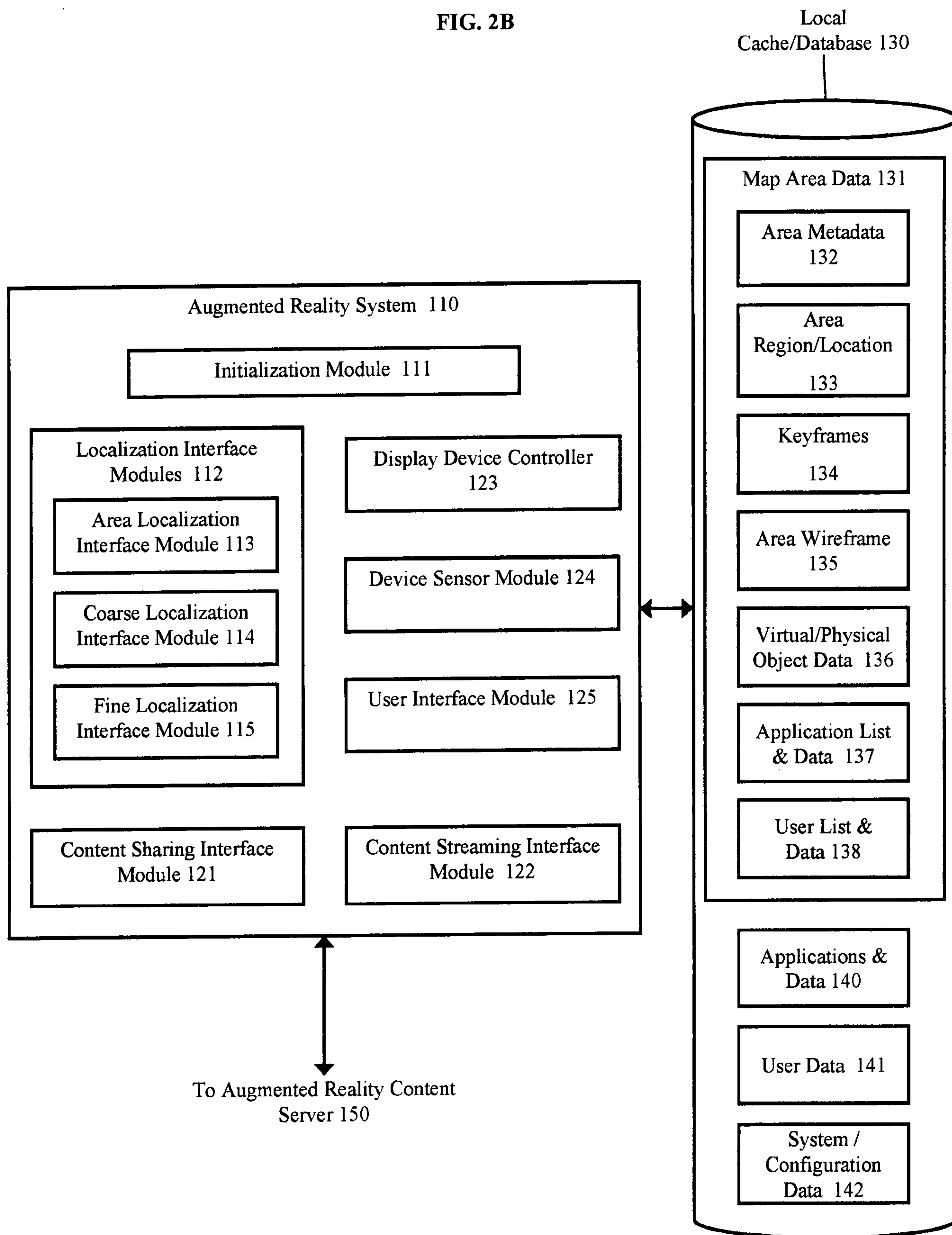


FIG. 3

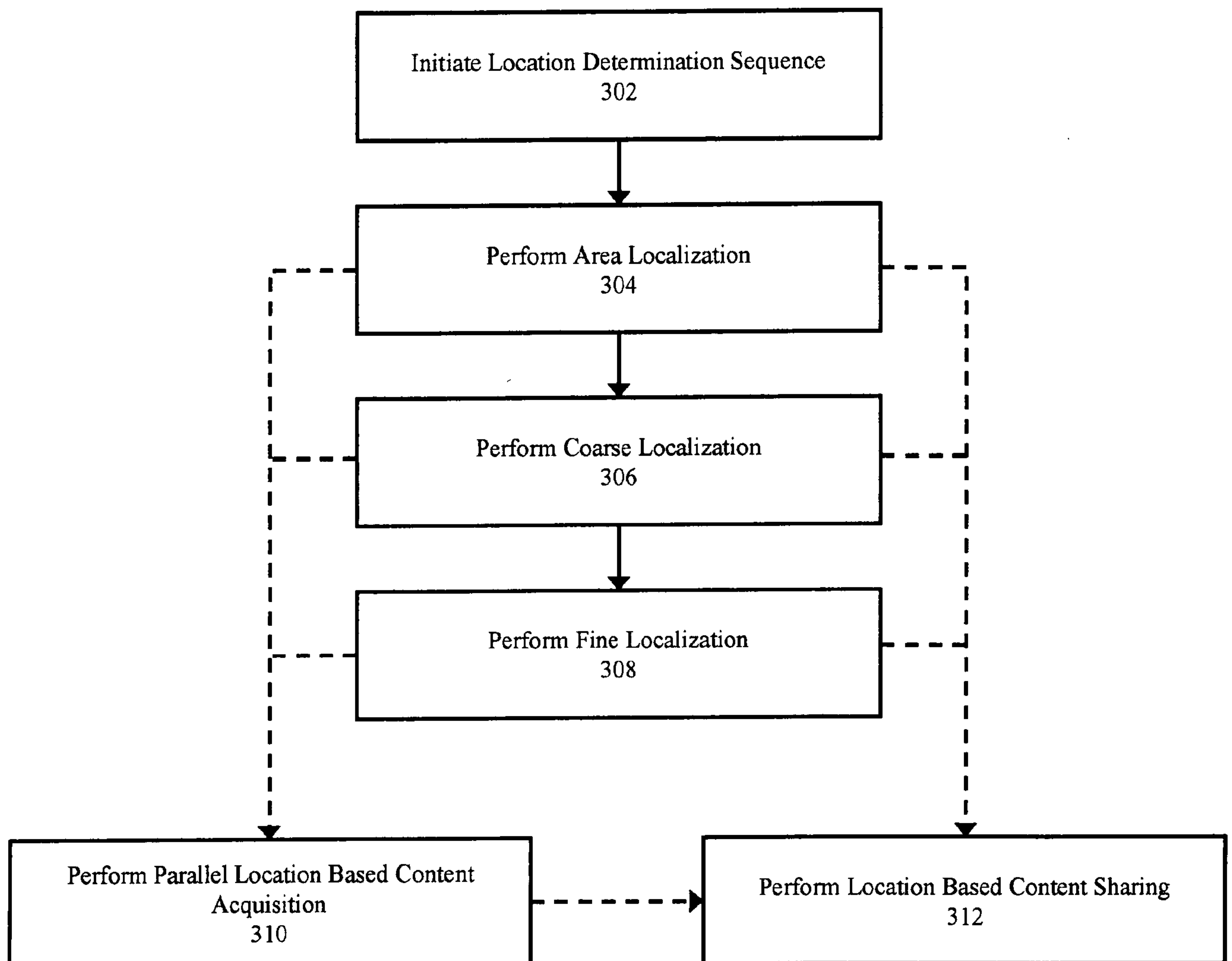


FIG. 4A

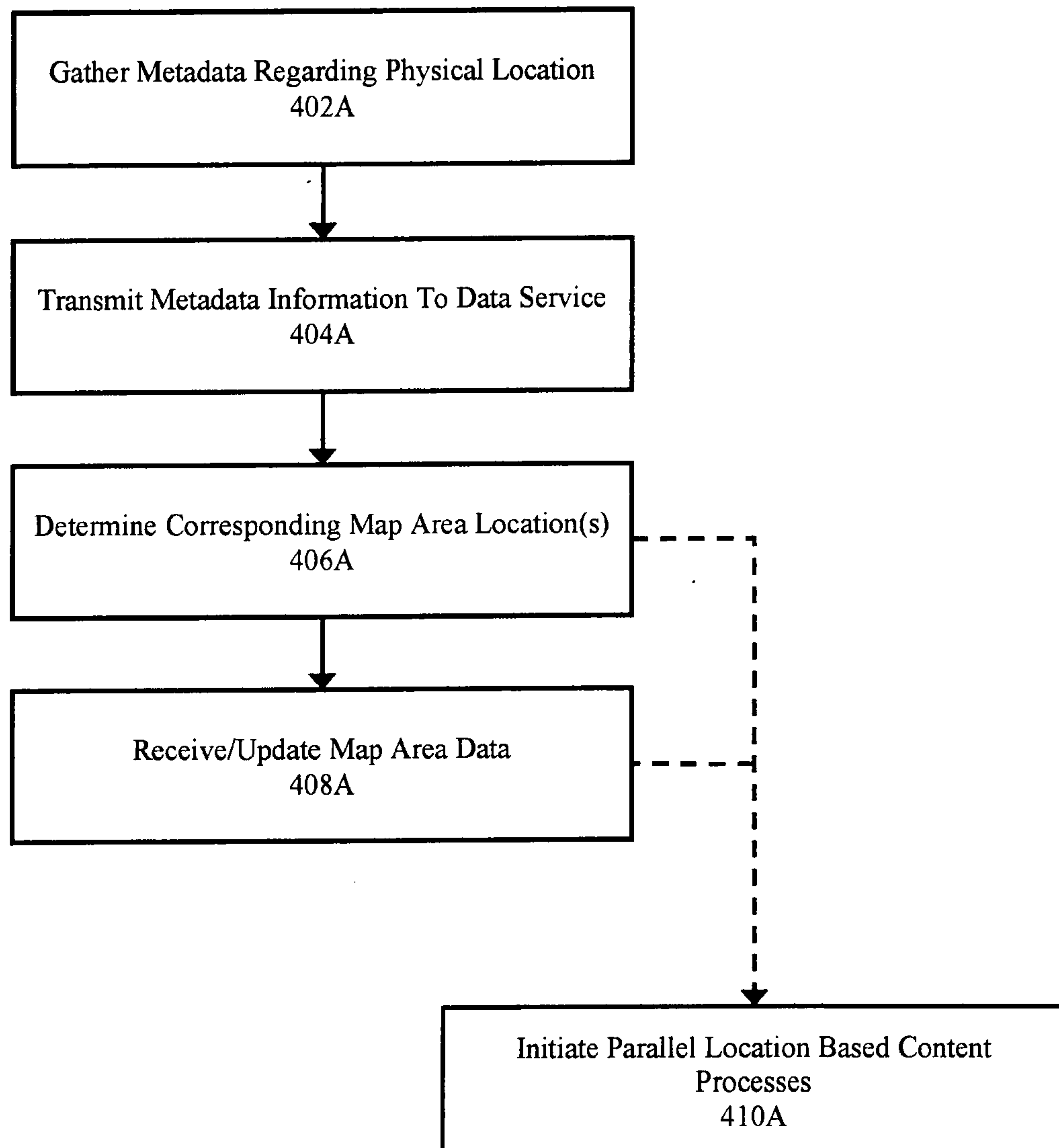


FIG. 4B

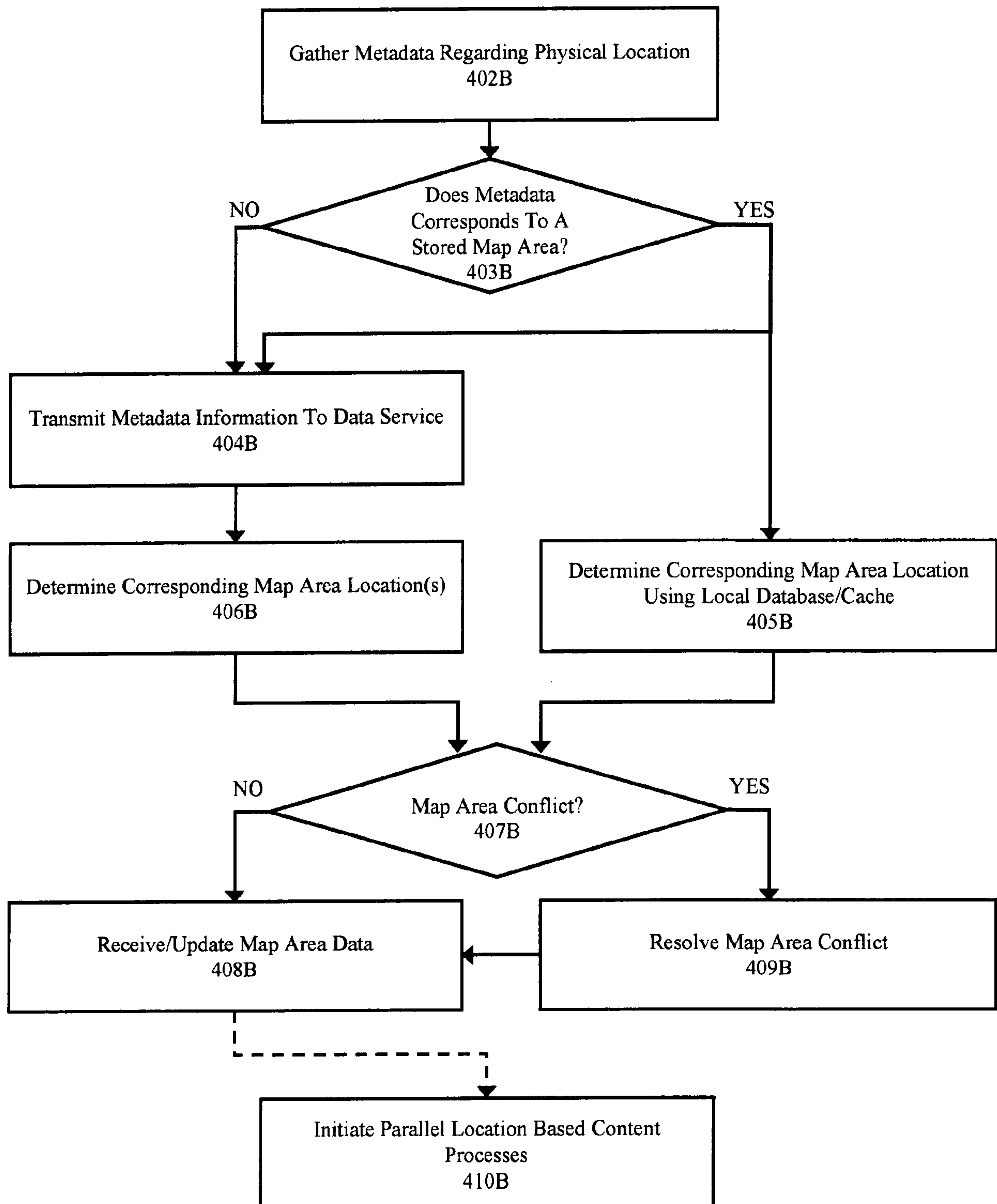


FIG. 4C

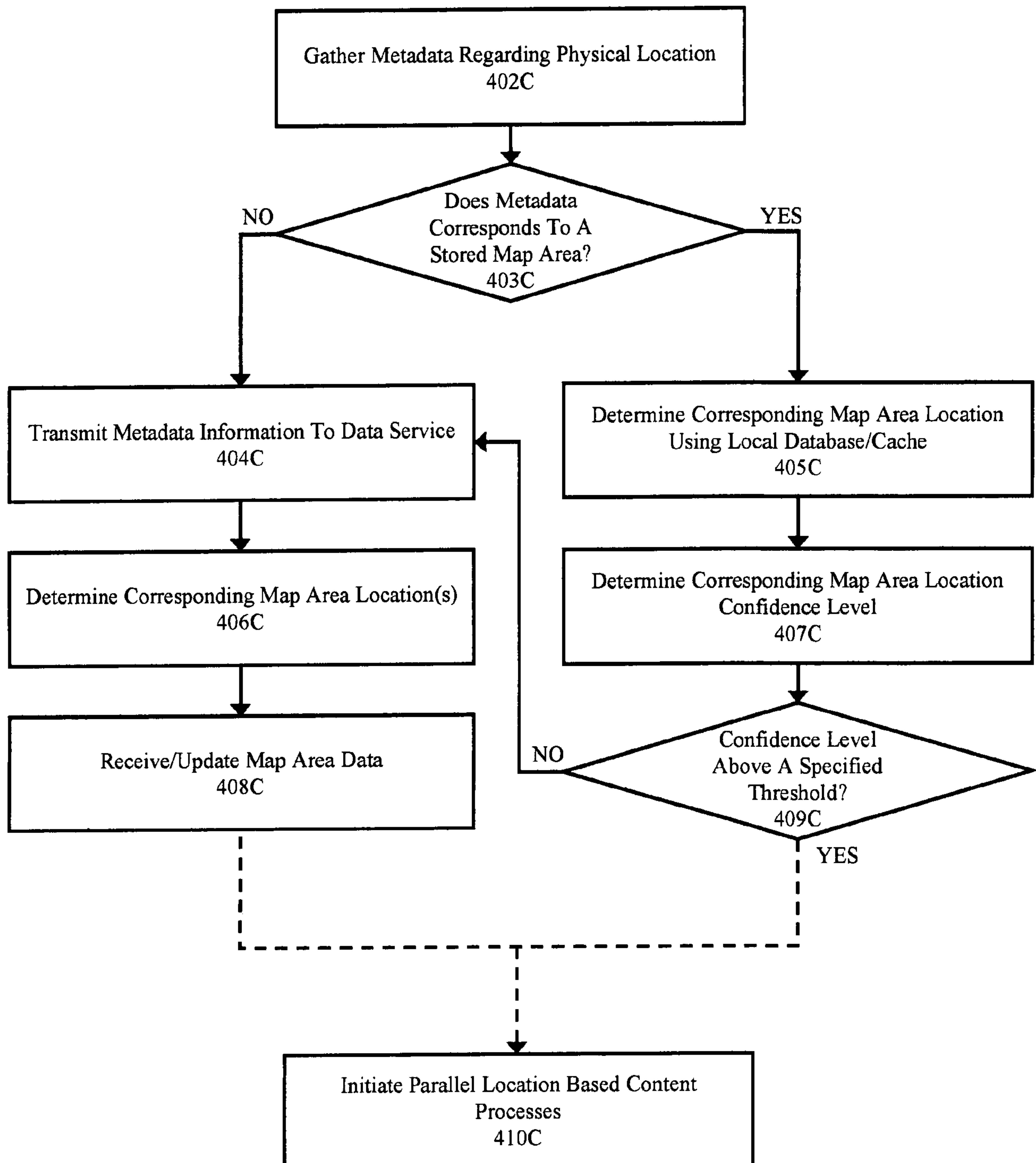


FIG. 5

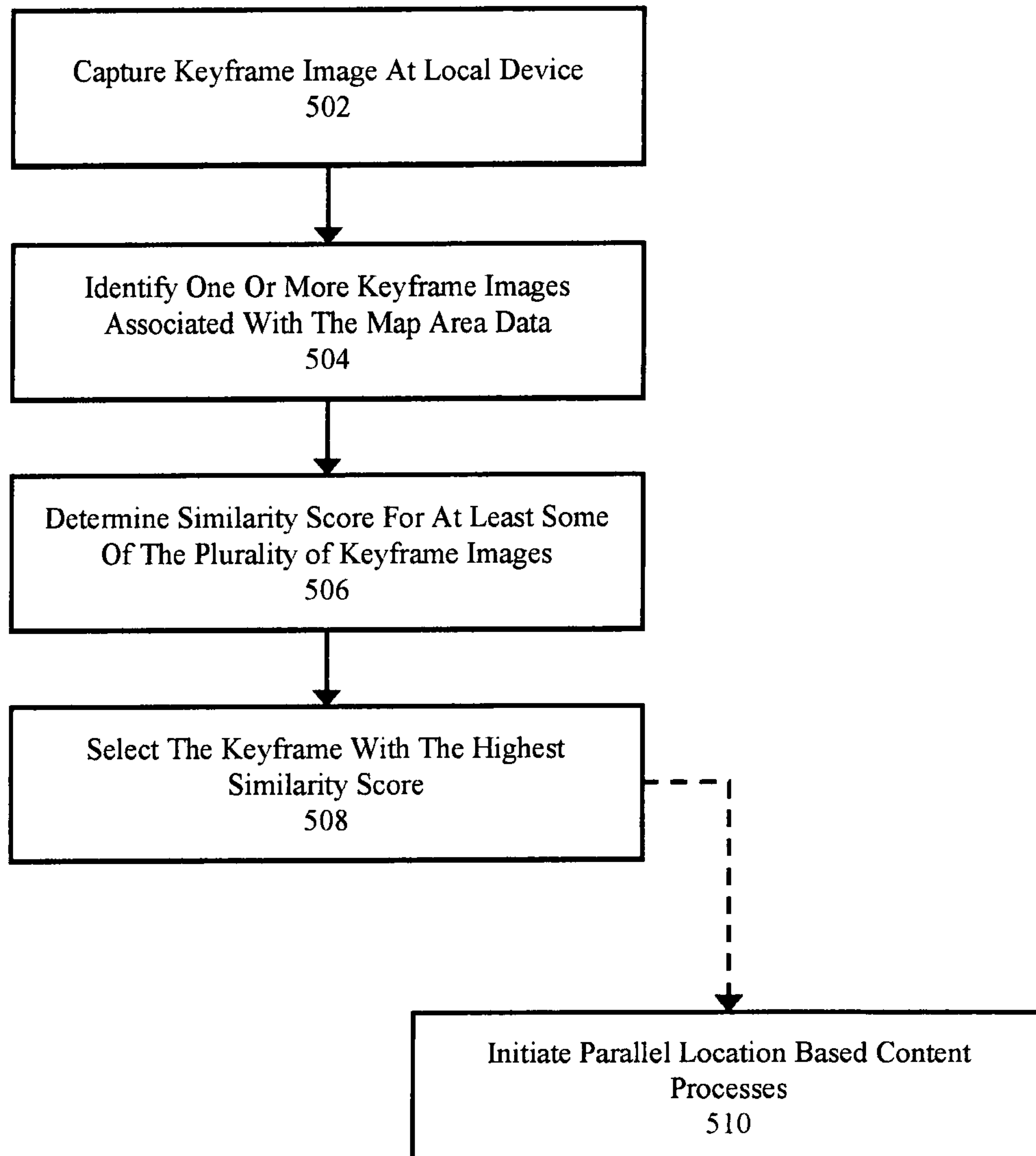
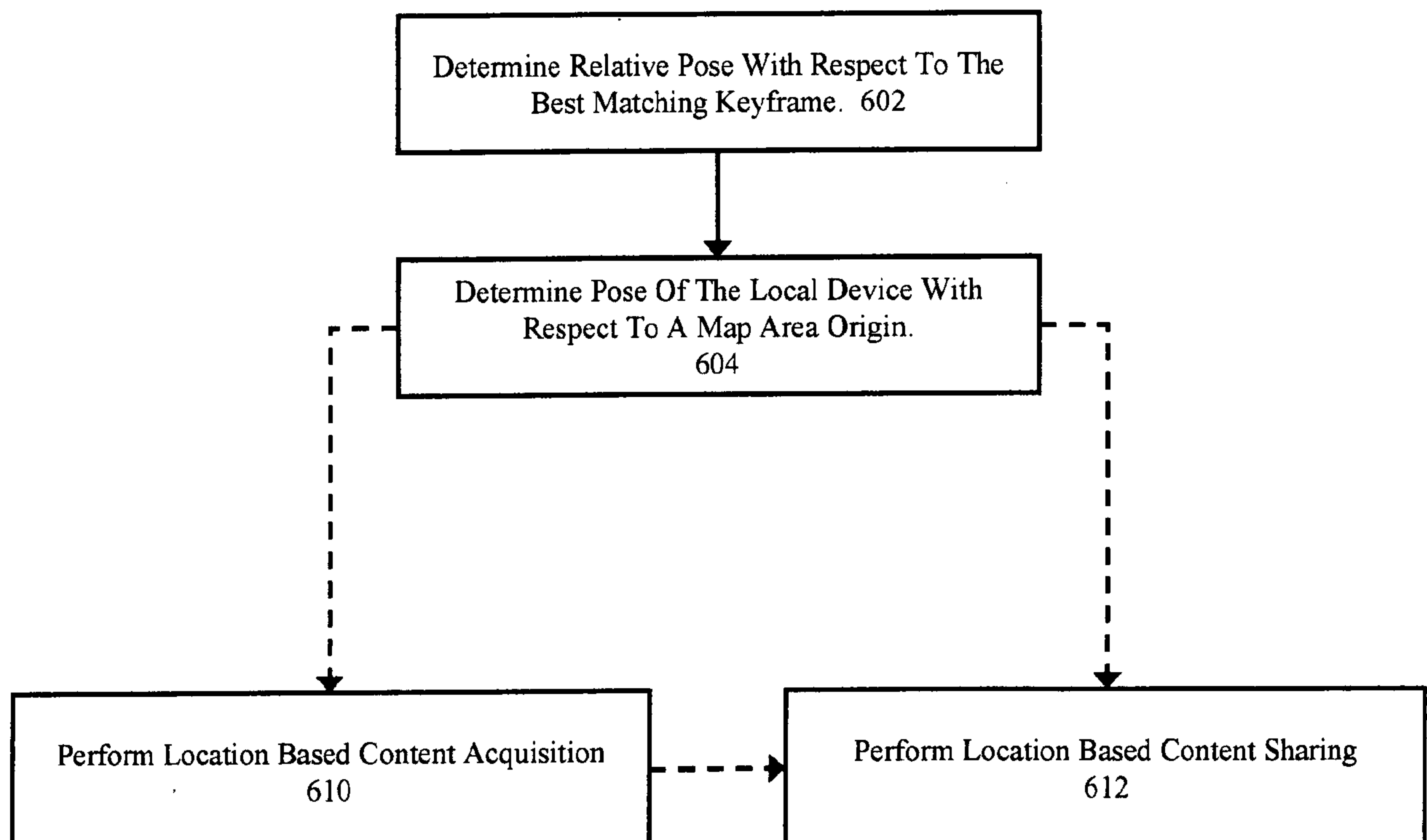


FIG. 6



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FIG. 7A

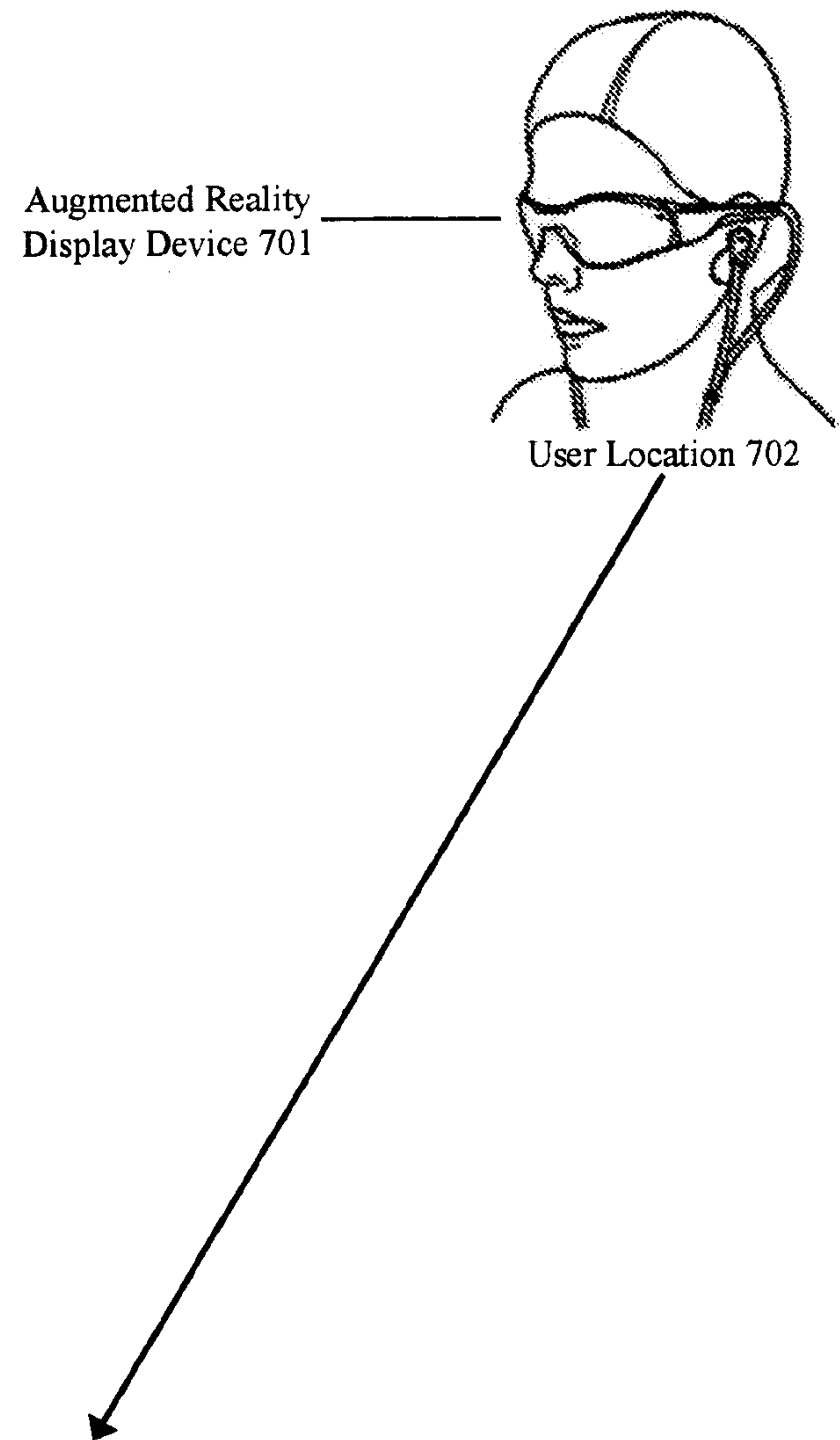


FIG. 7B

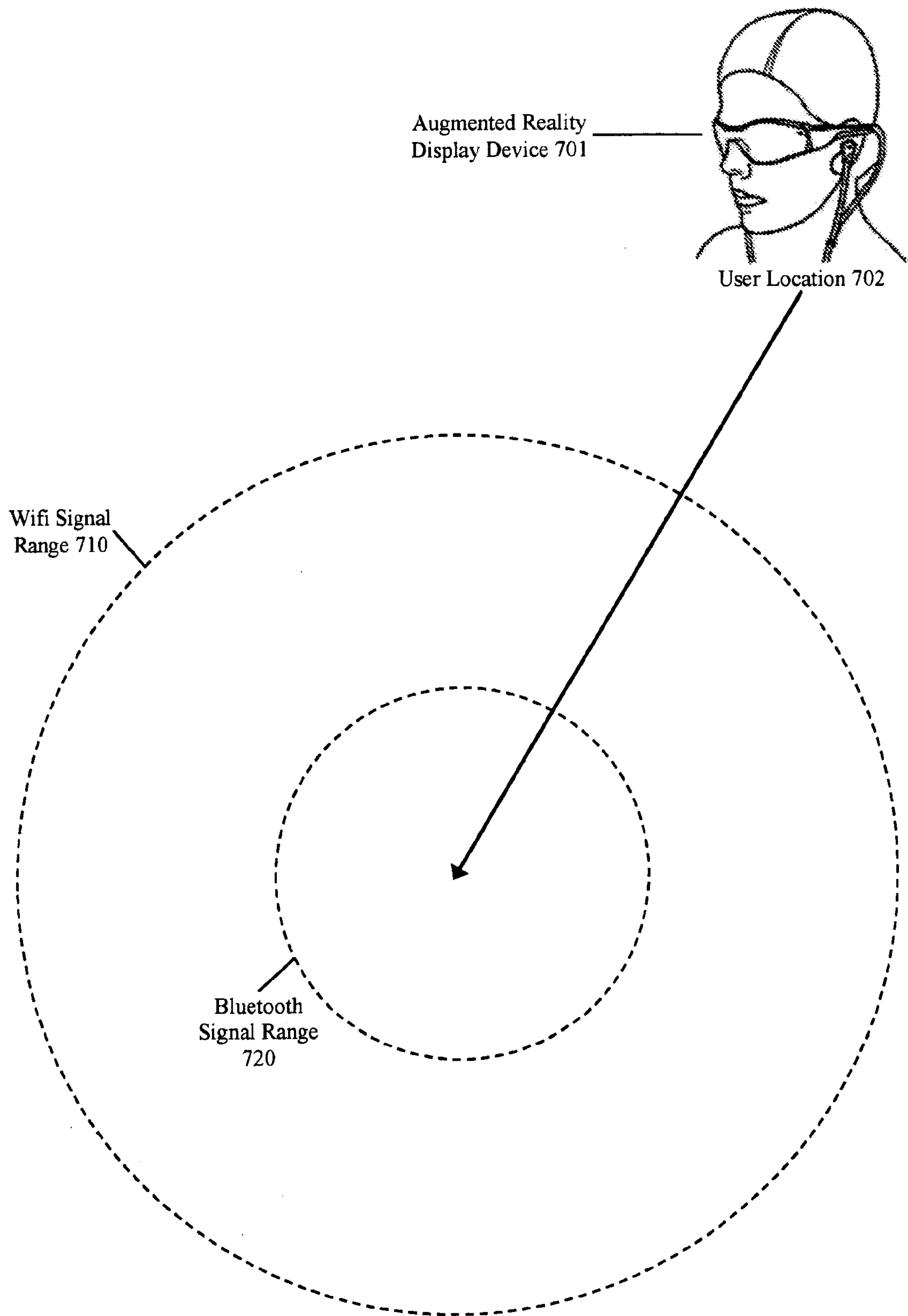


FIG. 7C

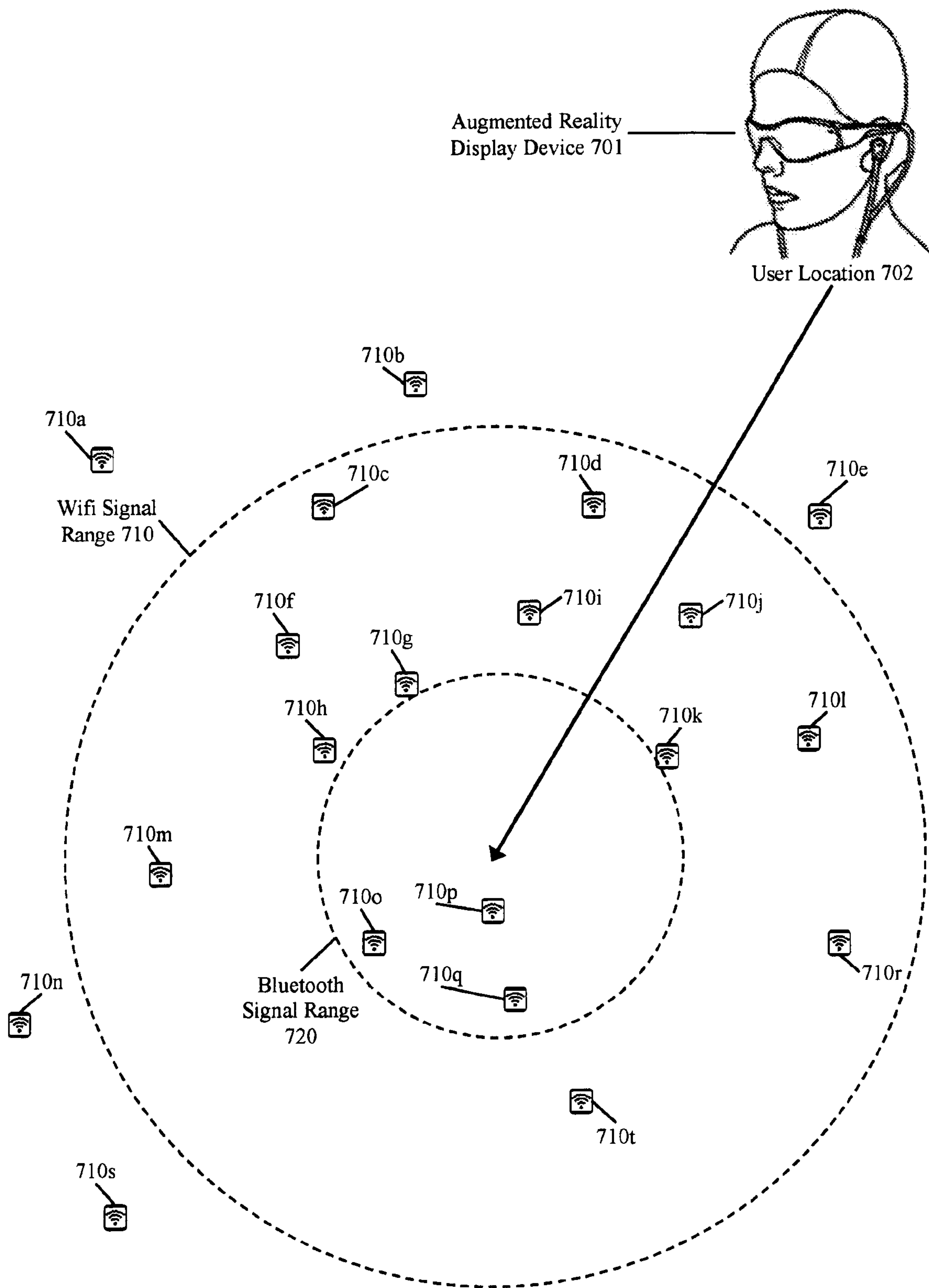


FIG. 7D

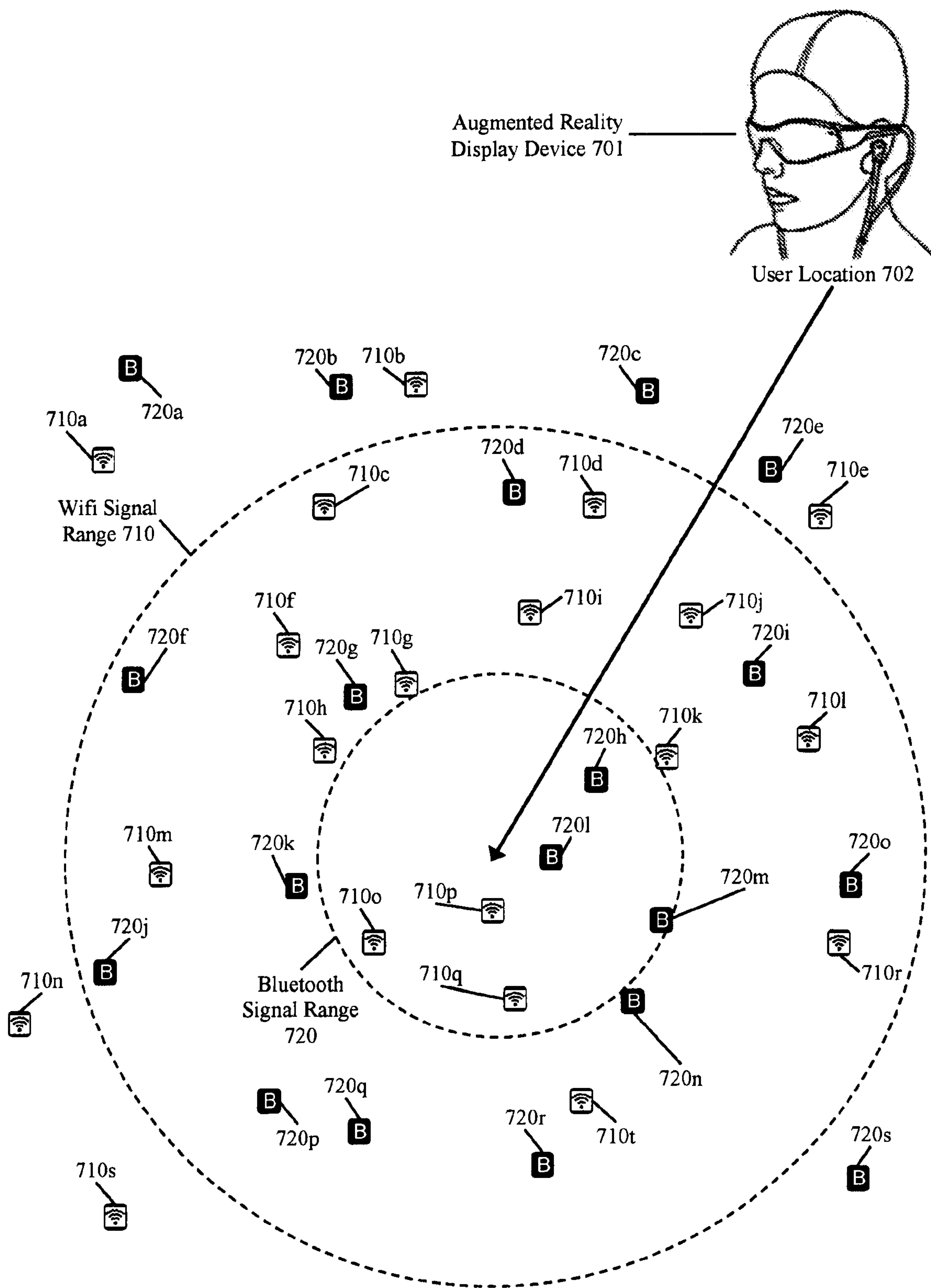


FIG. 7E

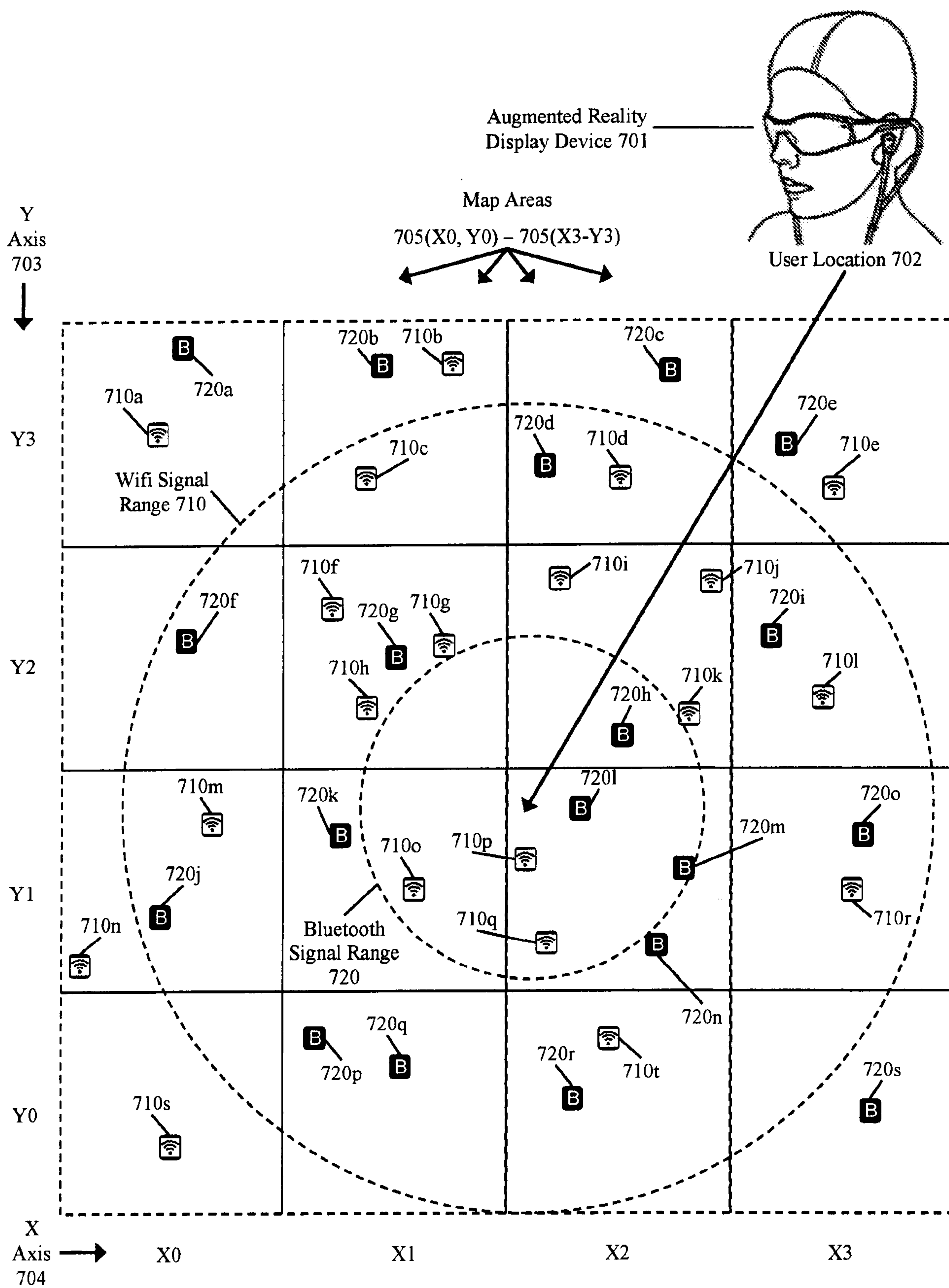


FIG. 7F

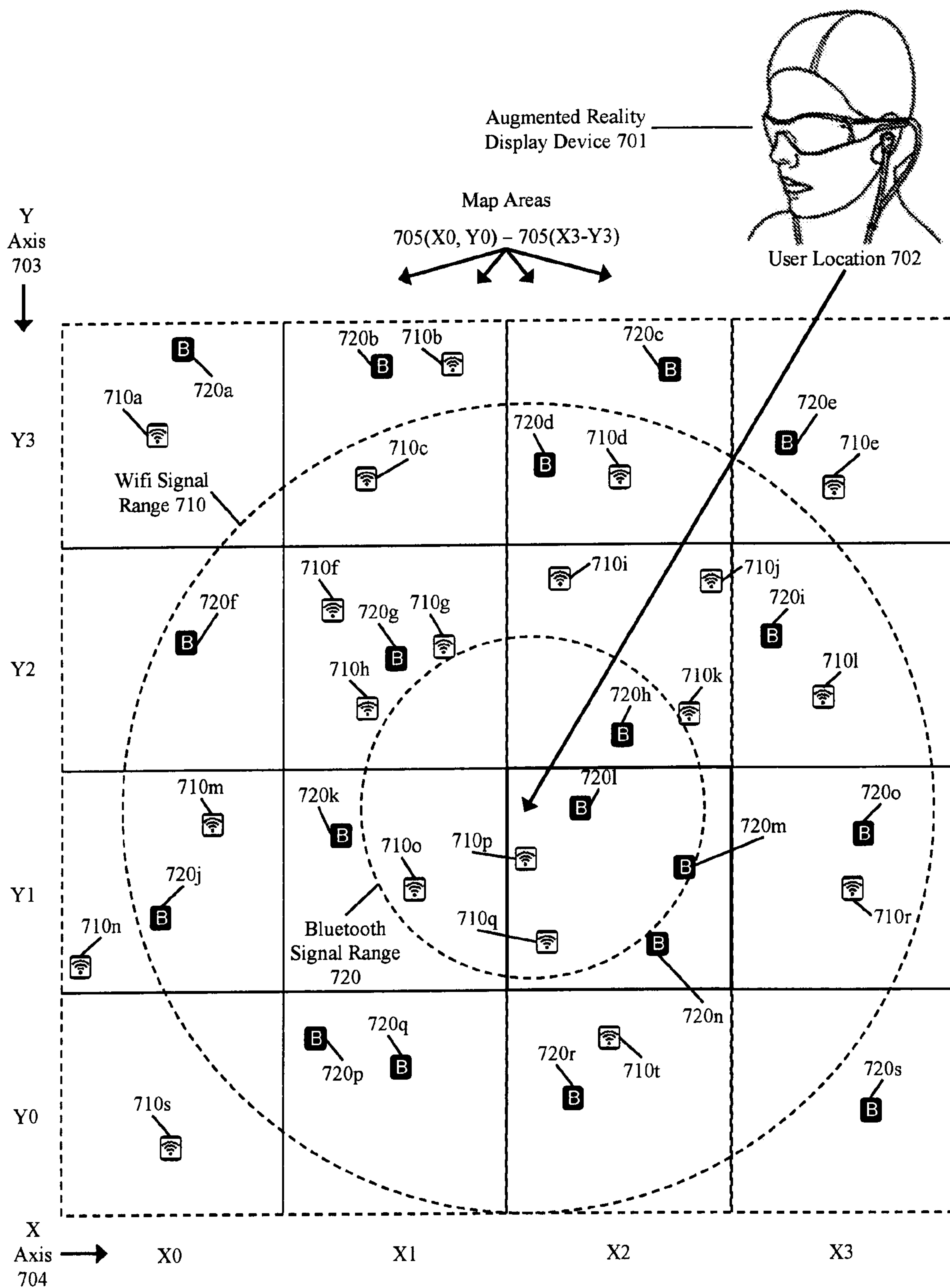


FIG. 7G

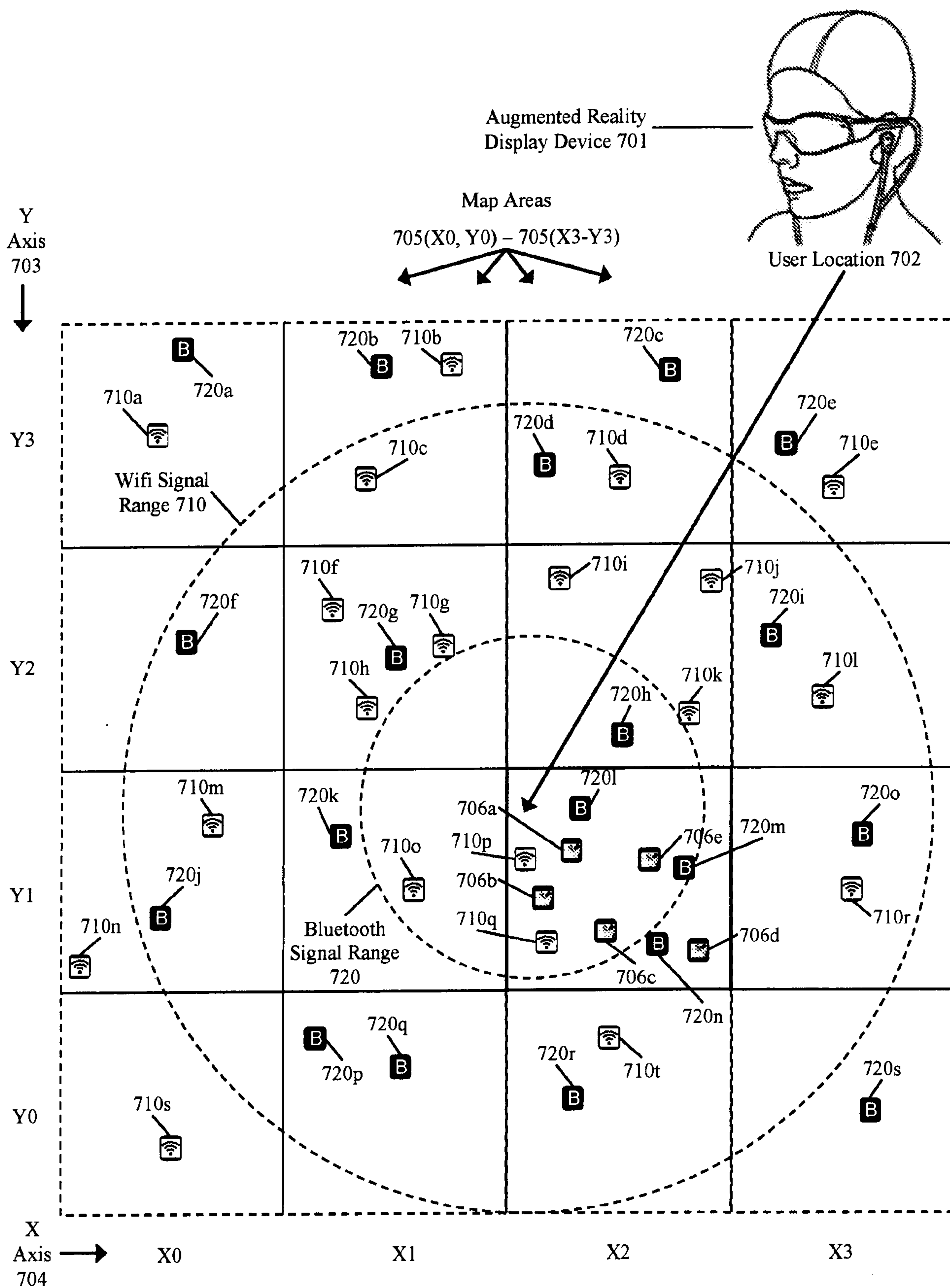


FIG. 7H

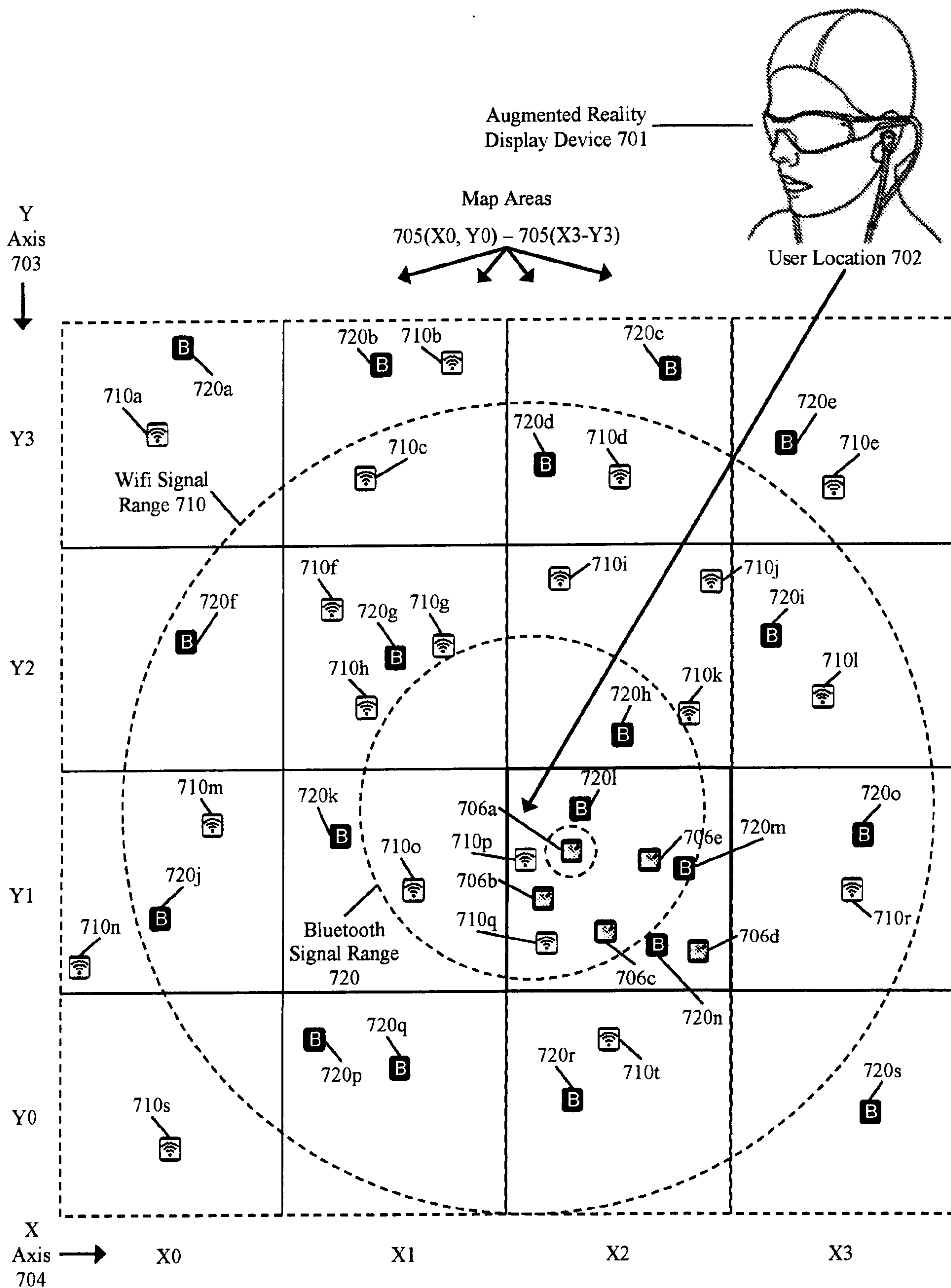


FIG. 7I

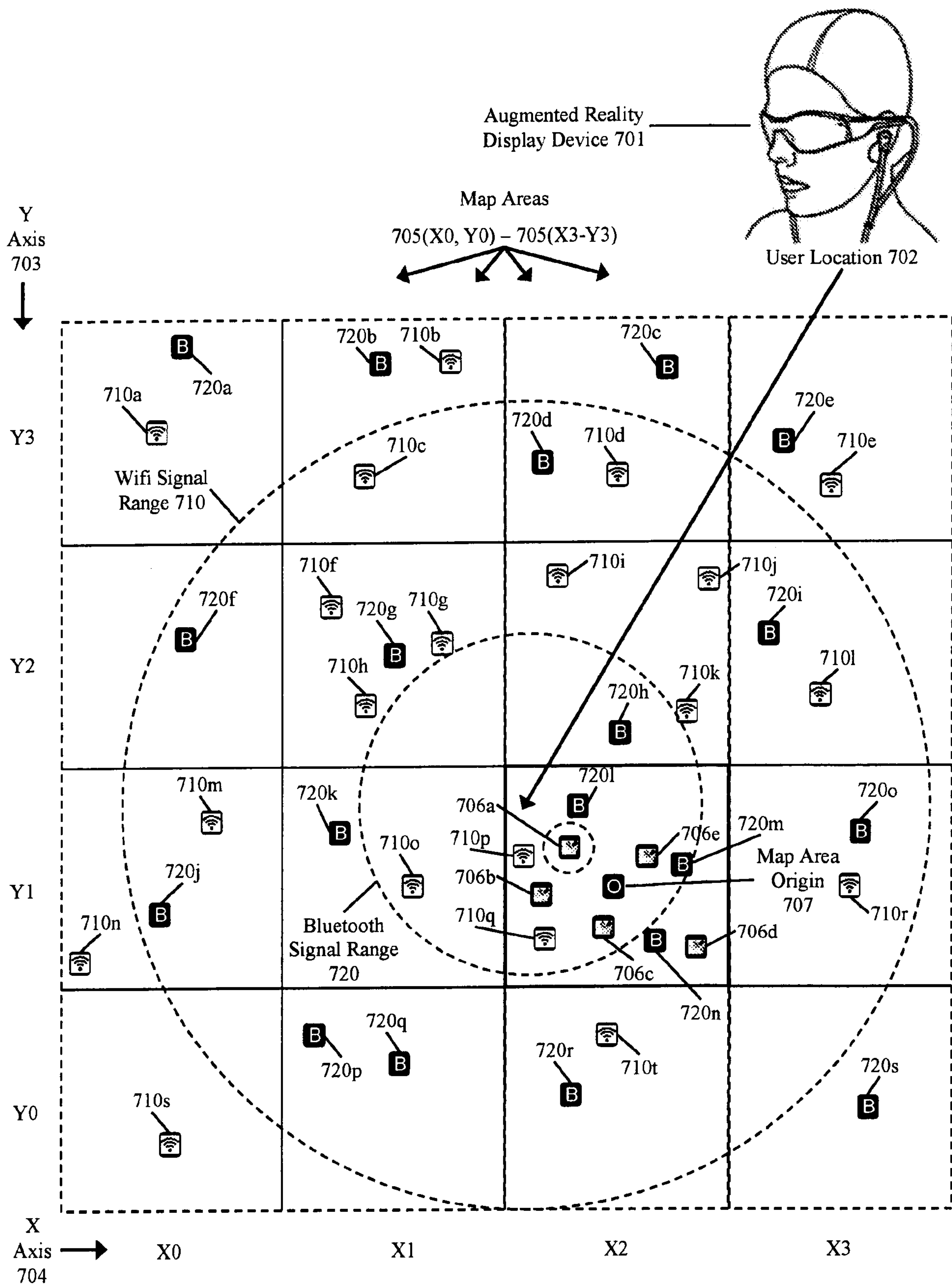


FIG. 7J

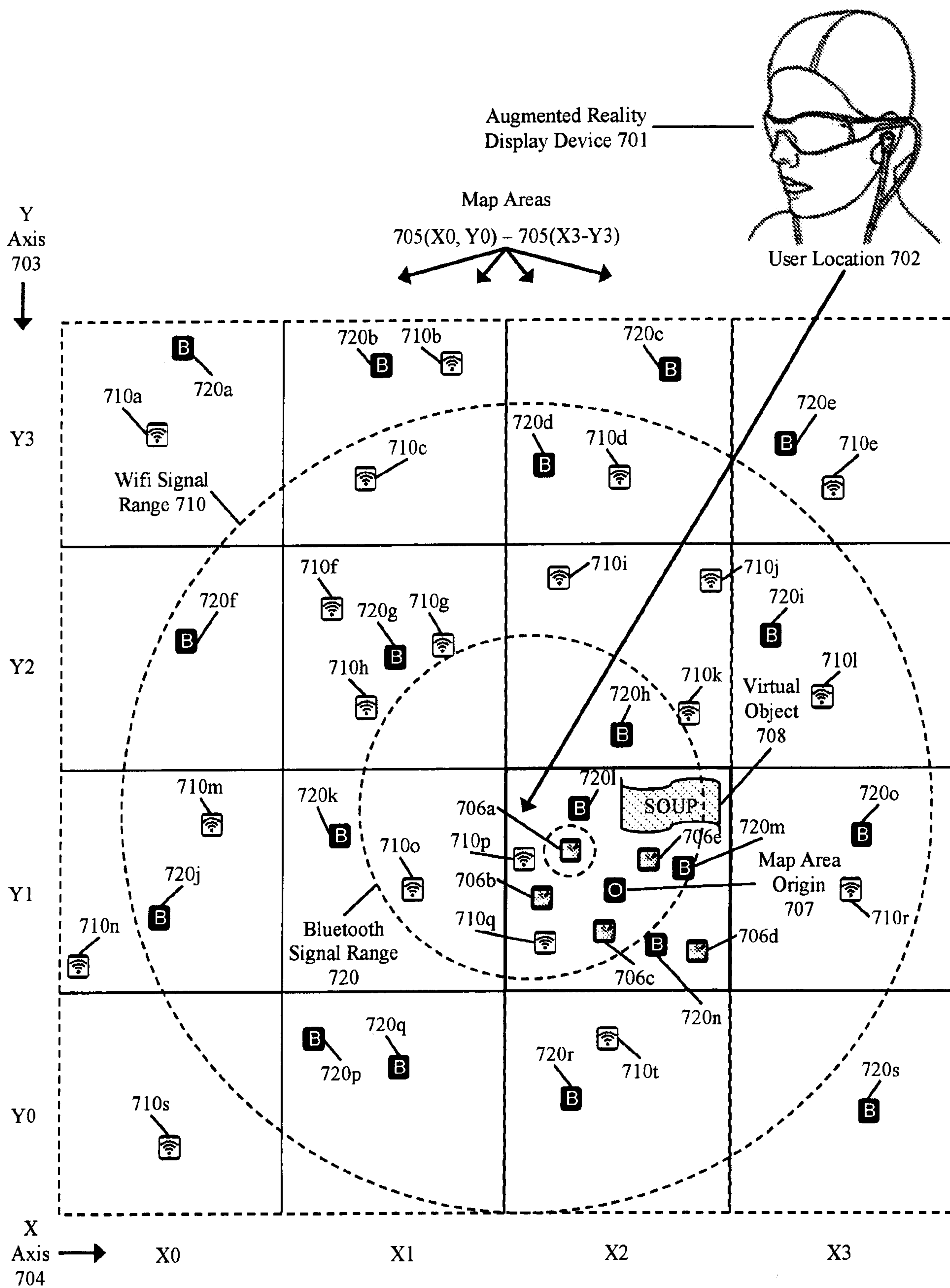


FIG. 8A

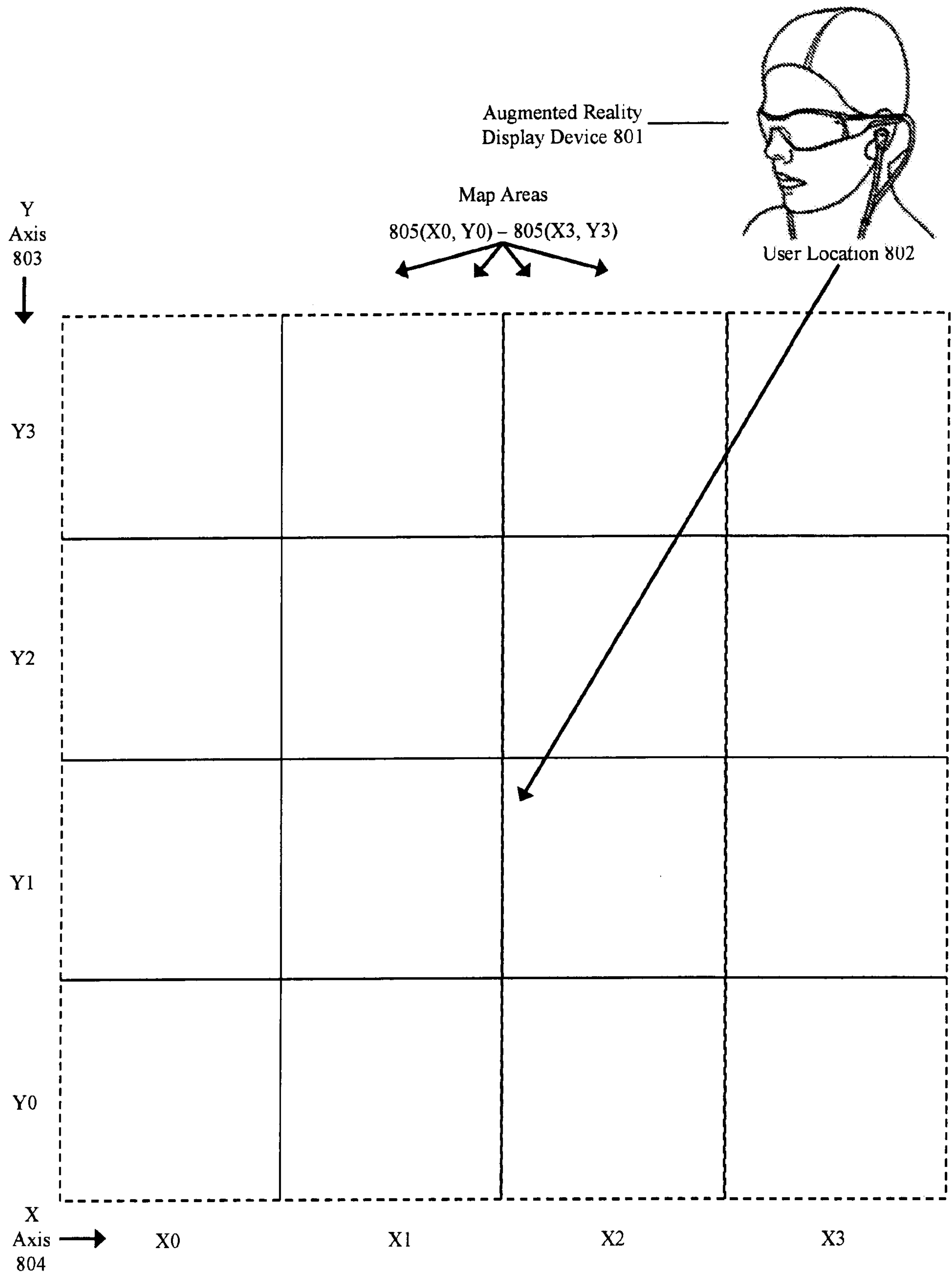


FIG. 8B

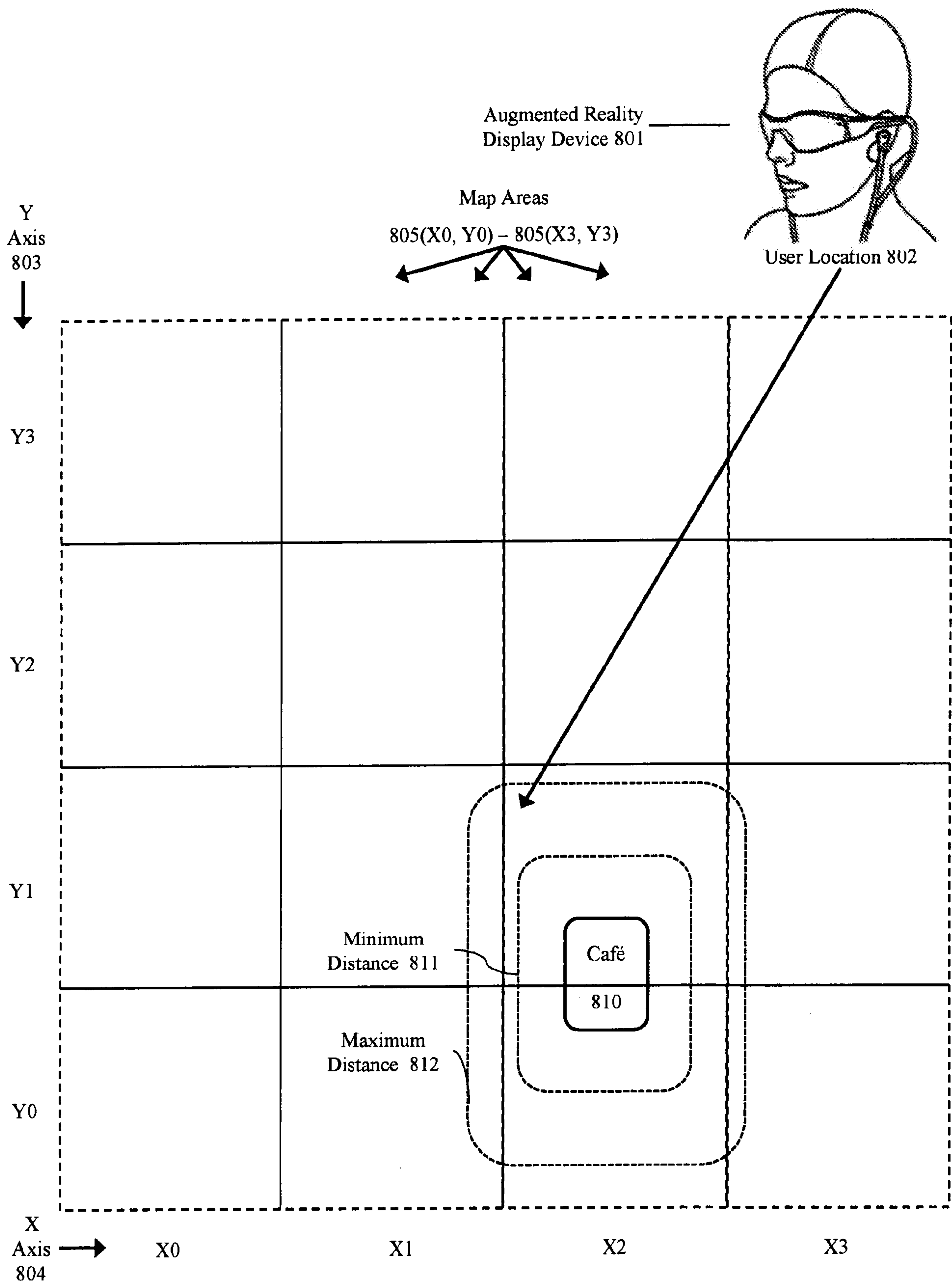


FIG. 8C

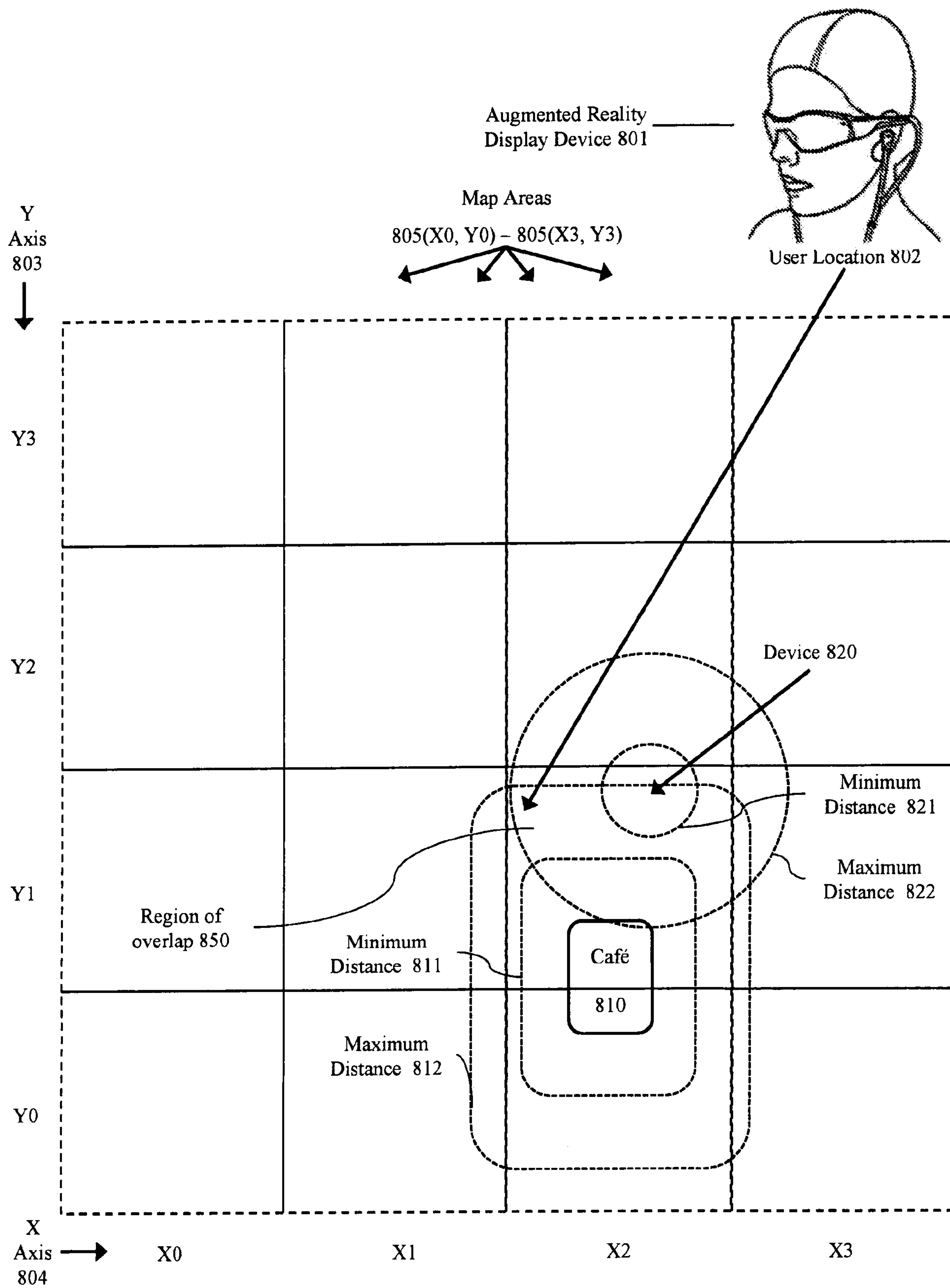


FIG. 8D

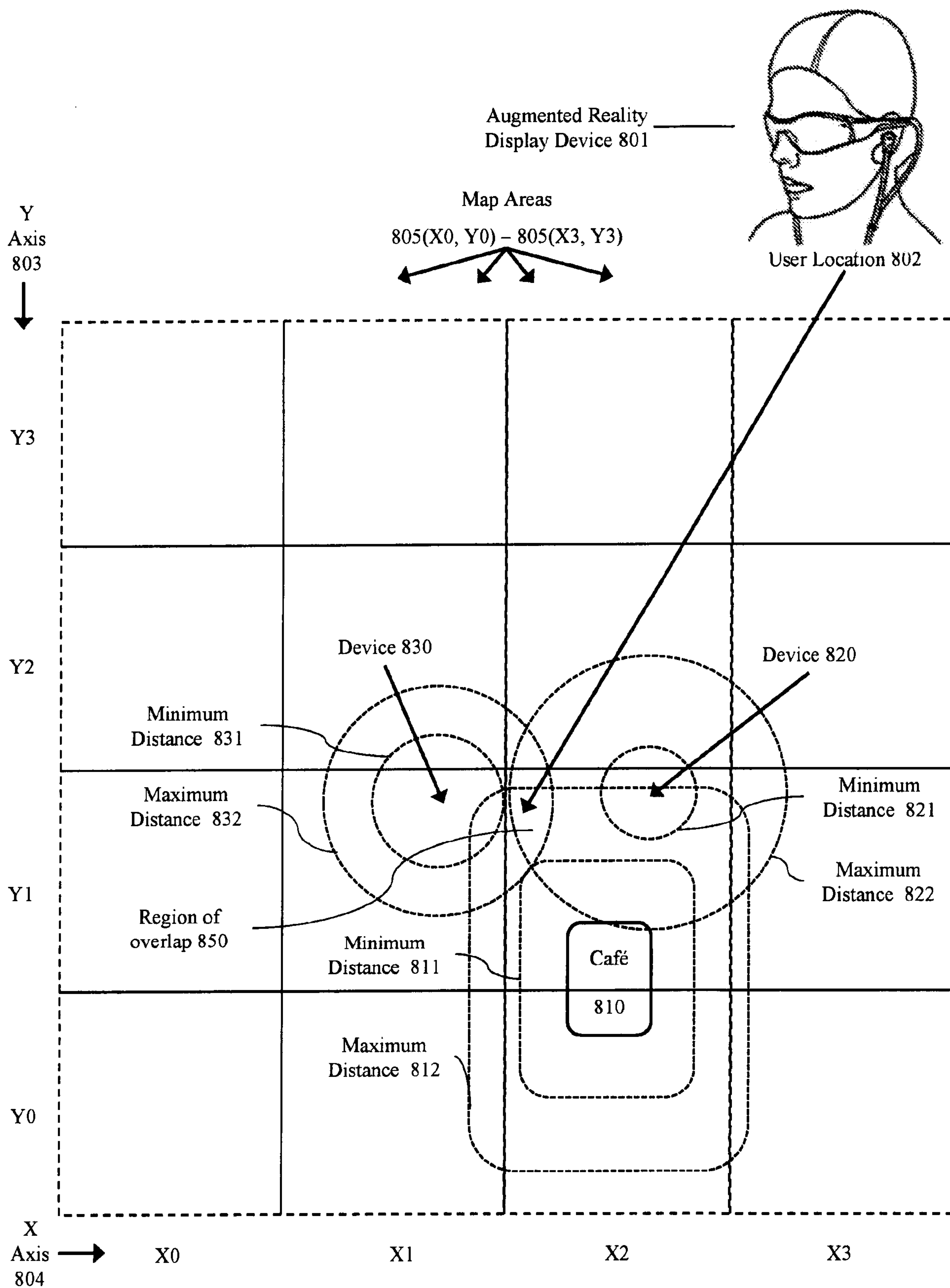


FIG. 9

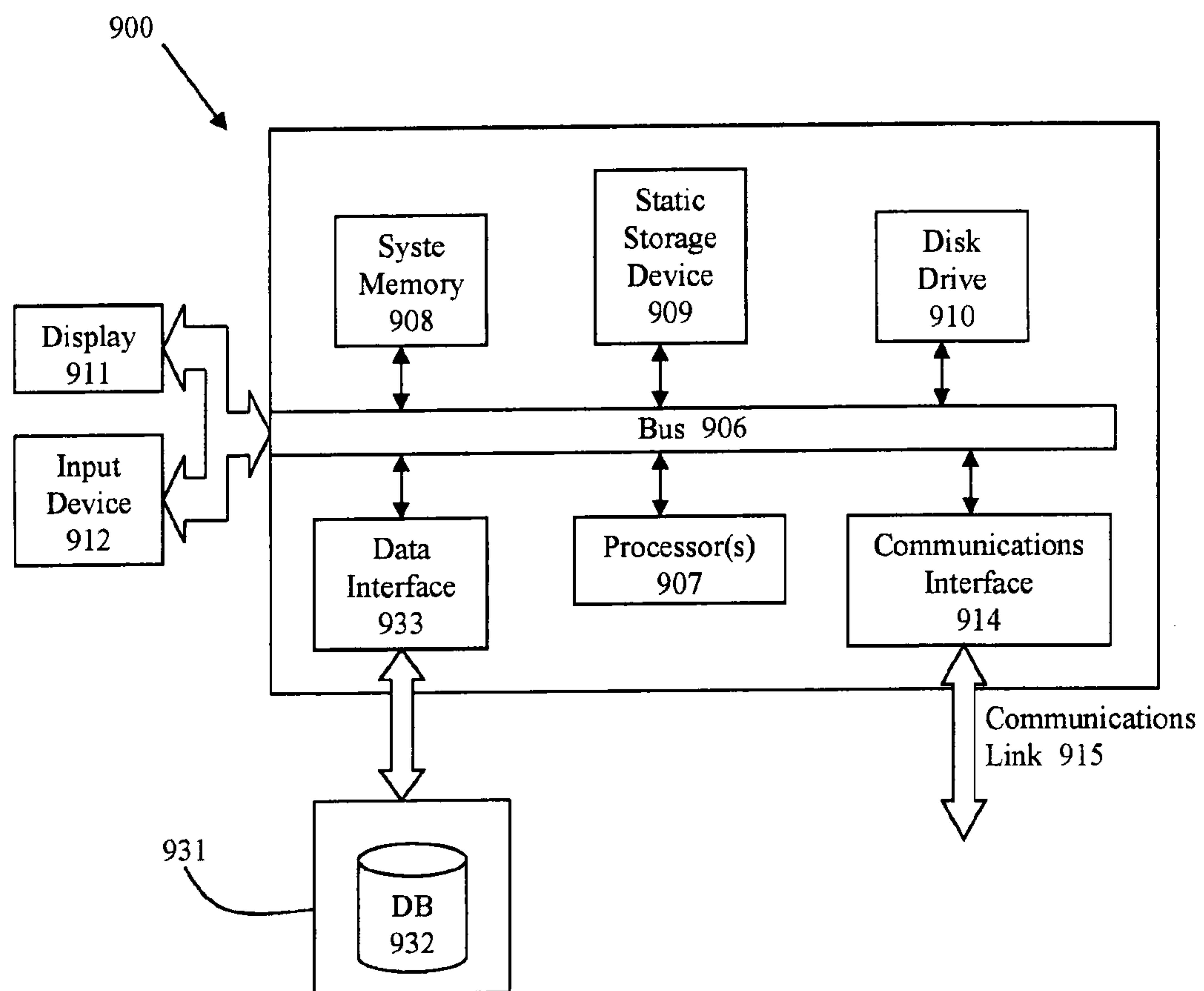


FIG. 6

