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(54) **SYSTEM AND METHOD UTILIZING
DYNAMIC BEAM FORMING FOR
WIRELESS COMMUNICATION SIGNALS**

Related U.S. Application Data

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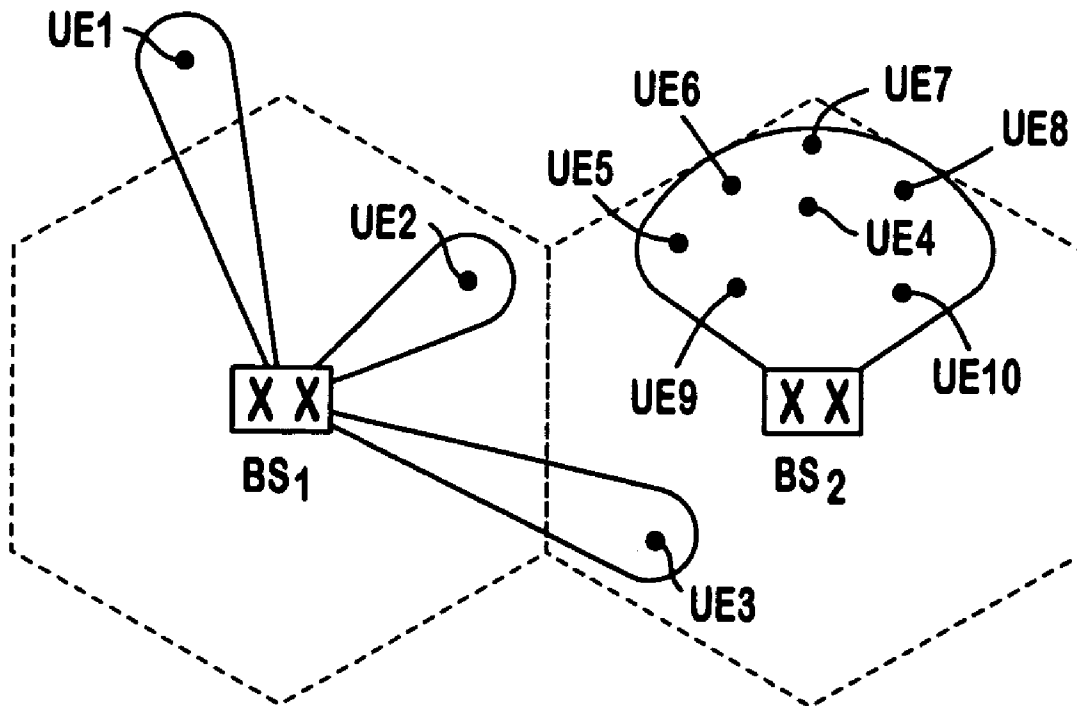
(73) Assignee: **InterDigital Technology Corporation**,
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(57) **ABSTRACT**

(21) Appl. No.: **11/315,452**

The present invention relates to a method and system using dynamic beam forming for wireless communication signals in a wireless network. Base stations and/or UEs are provided with antenna systems having a range of beam forming selections. Relative base station and UE locations are one type of criteria used to make beam forming decisions.

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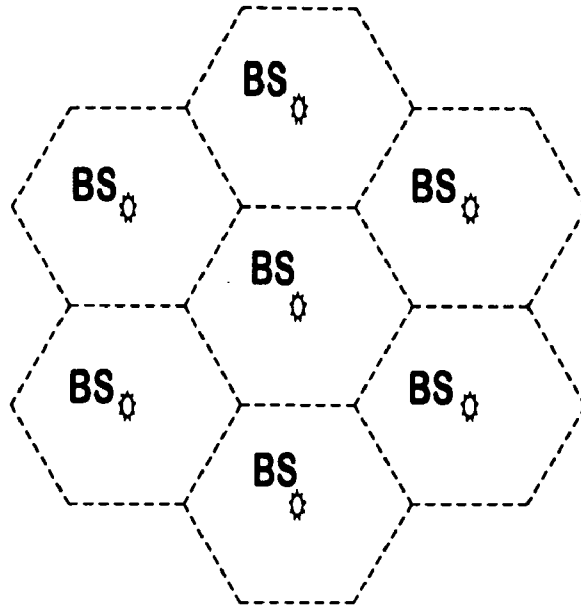


FIG. 1 A
(PRIOR ART)

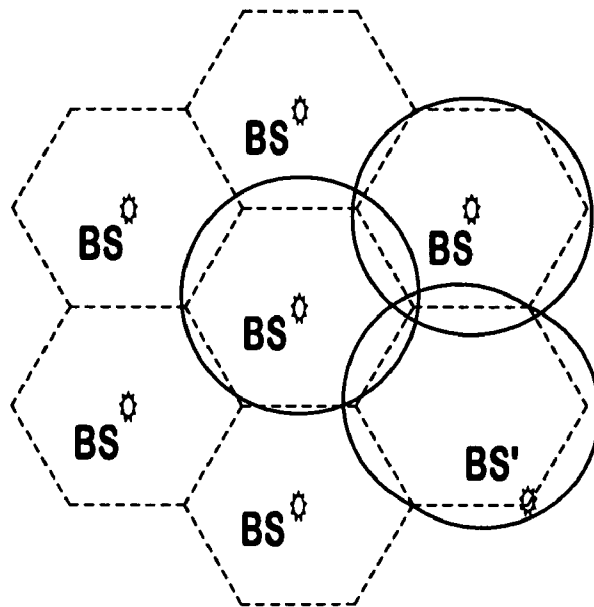


FIG. 1 B
(PRIOR ART)

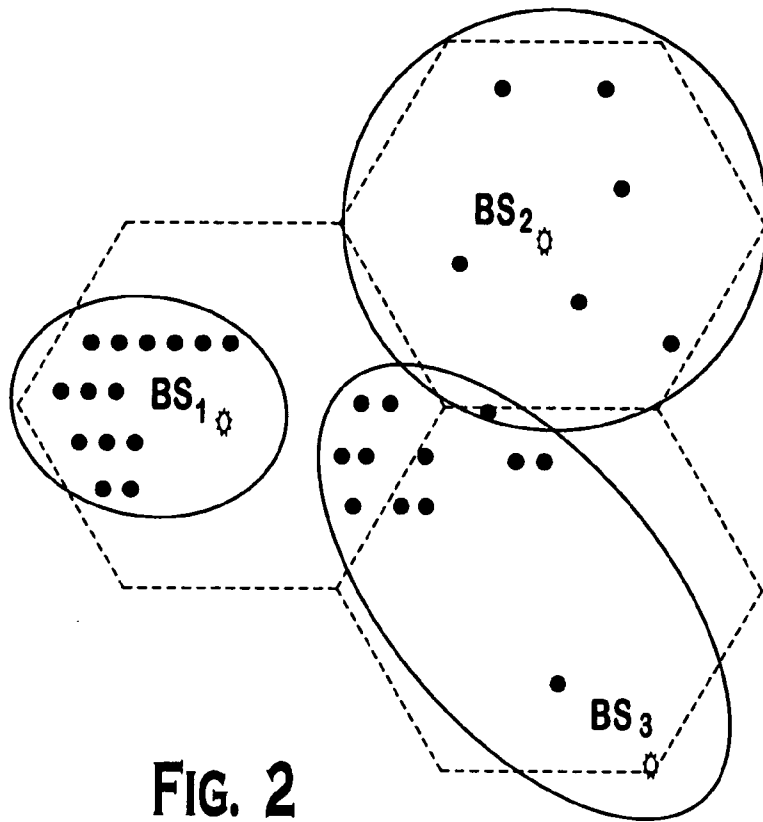


FIG. 2

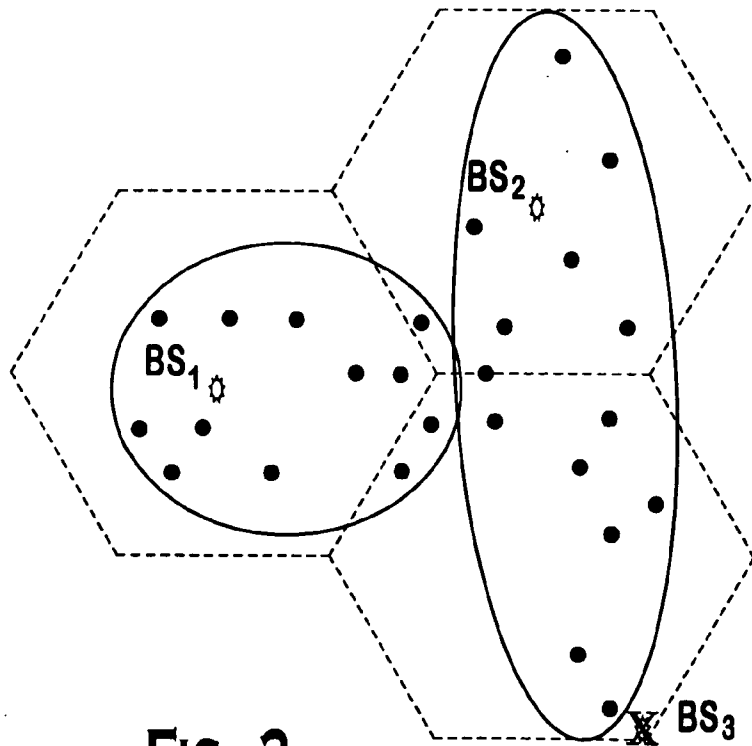


FIG. 3

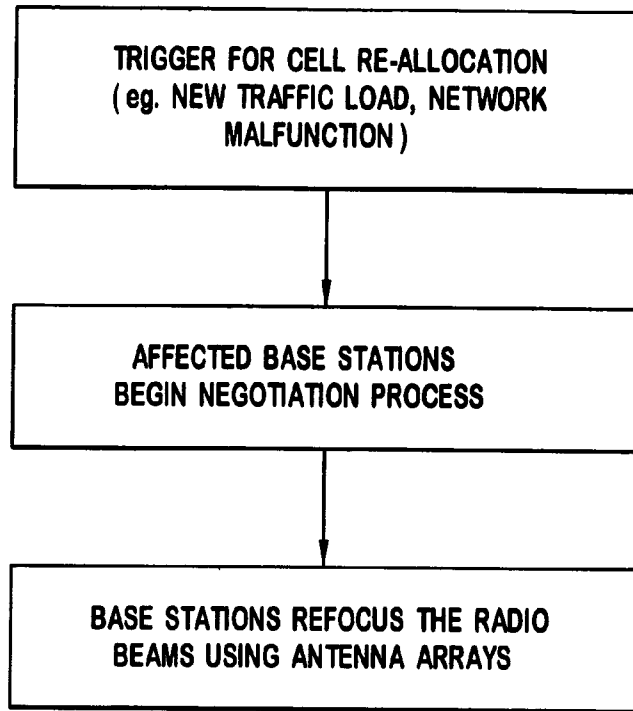


FIG. 4

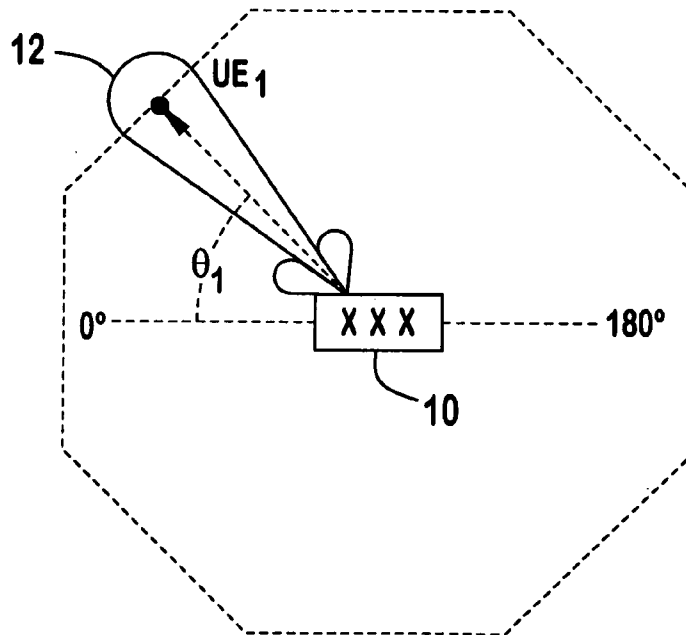


FIG. 5A

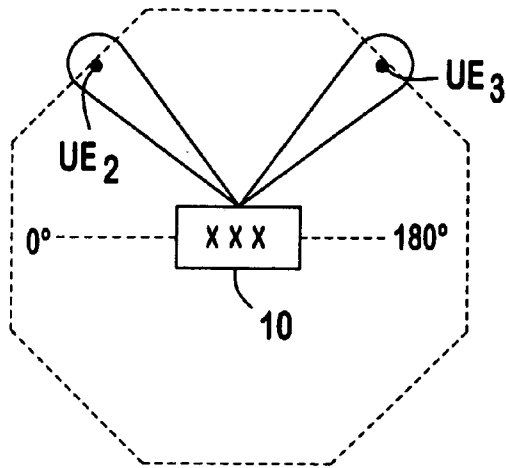


FIG. 5B

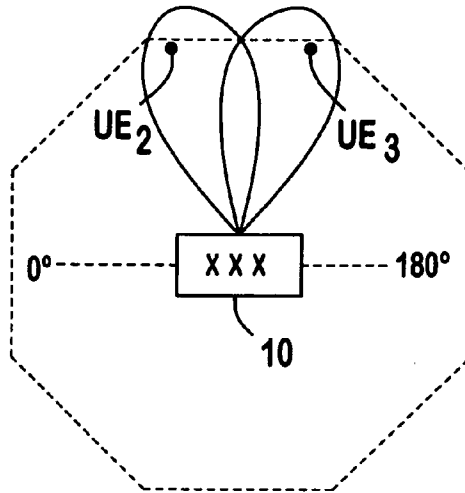


FIG. 5C

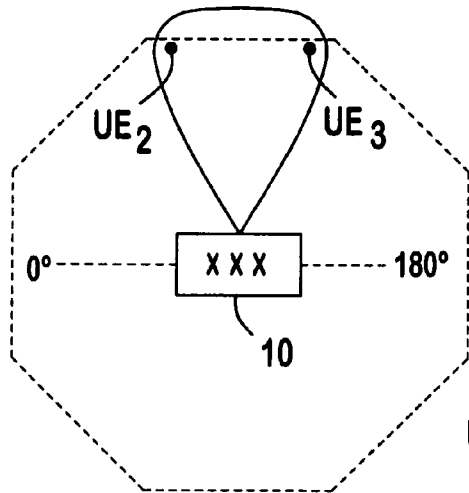


FIG. 5D

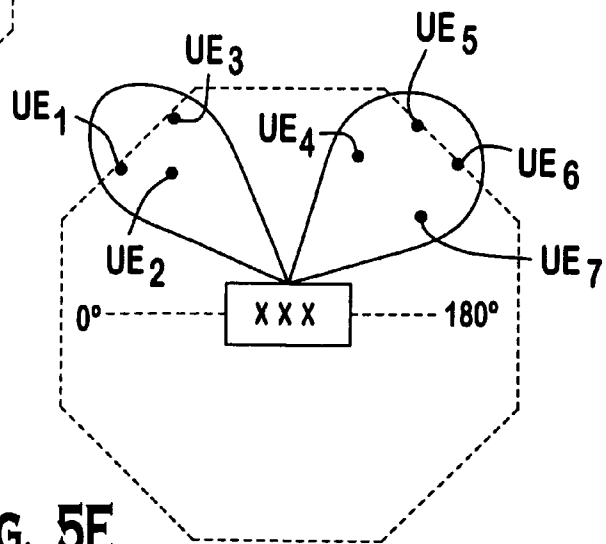


FIG. 5E

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