Exhibit I

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Karhula

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(54) **METHOD FOR CONTENTION FREE TRAFFIC DETECTION**

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(51) **Int. Cl.**
H04J 3/07 (2006.01)

(52) **U.S. Cl.**
USPC **370/506**; 370/350

(58) **Field of Classification Search**
USPC 370/350, 503–506
See application file for complete search history.

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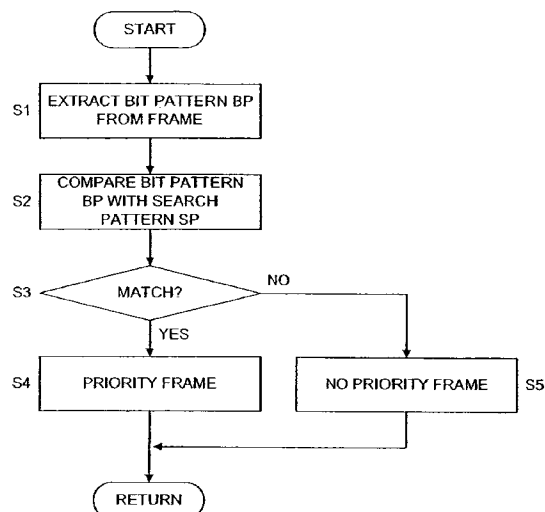
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(57) **ABSTRACT**

The invention discloses a method for detecting priority of data frames comprising the steps of extracting (S**1**) a bit pattern from a predetermined position in a frame, comparing (S**2**, S**3**) said extracted bit pattern with a search pattern, and identifying (S**4**) said received frame as a priority frame in case said extracted bit pattern (BP) matches with said first search pattern (SP). By this method, the priority of a data frame can easily be detected. The invention also proposes a corresponding device for detecting priority of data frames.

18 Claims, 10 Drawing Sheets

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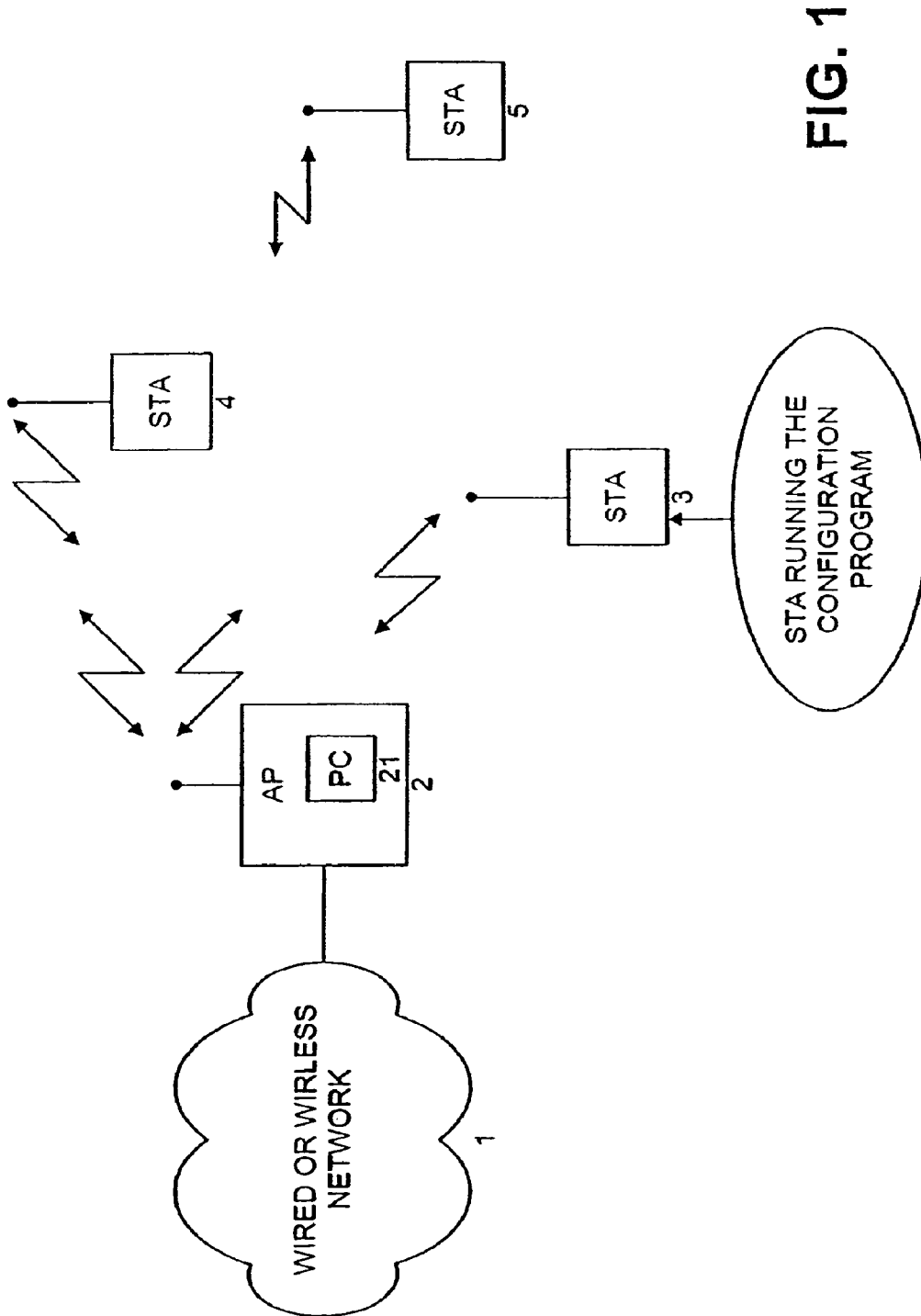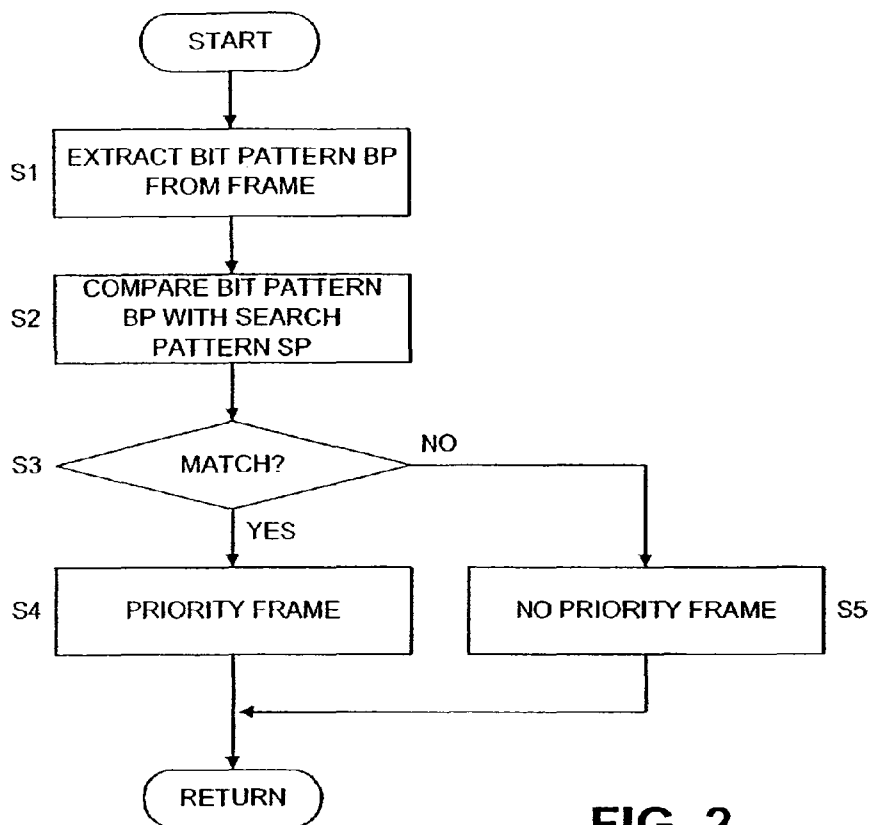
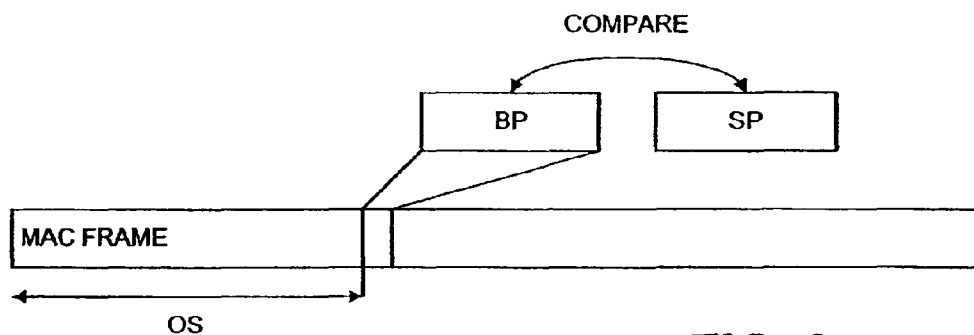* cited by examiner

FIG. 1

FIG. 2

FIG. 3

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