

Exhibit I



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Karhula

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

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Related U.S. Patent Documents

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 Filed: **Apr. 11, 2006**

U.S. Applications:

(63) Continuation of application No. 10/167,986, filed on Jun. 11, 2002, now Pat. No. 7,027,465, which is a continuation of application No. PCT/EP99/10097, filed on Dec. 17, 1999.

(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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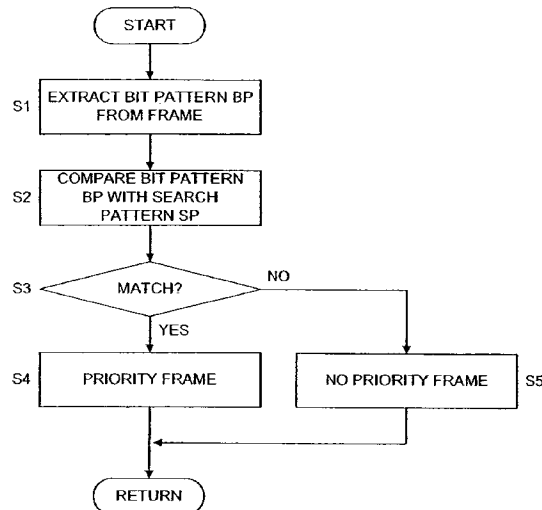
Primary Examiner — Phuc Tran

(74) *Attorney, Agent, or Firm* — Stolowitz Ford Cowger LLP

(57) **ABSTRACT**

The invention discloses a method for detecting priority of data frames comprising the steps of extracting (S1) a bit pattern from a predetermined position in a frame, comparing (S2, S3) said extracted bit pattern with a search pattern, and identifying (S4) 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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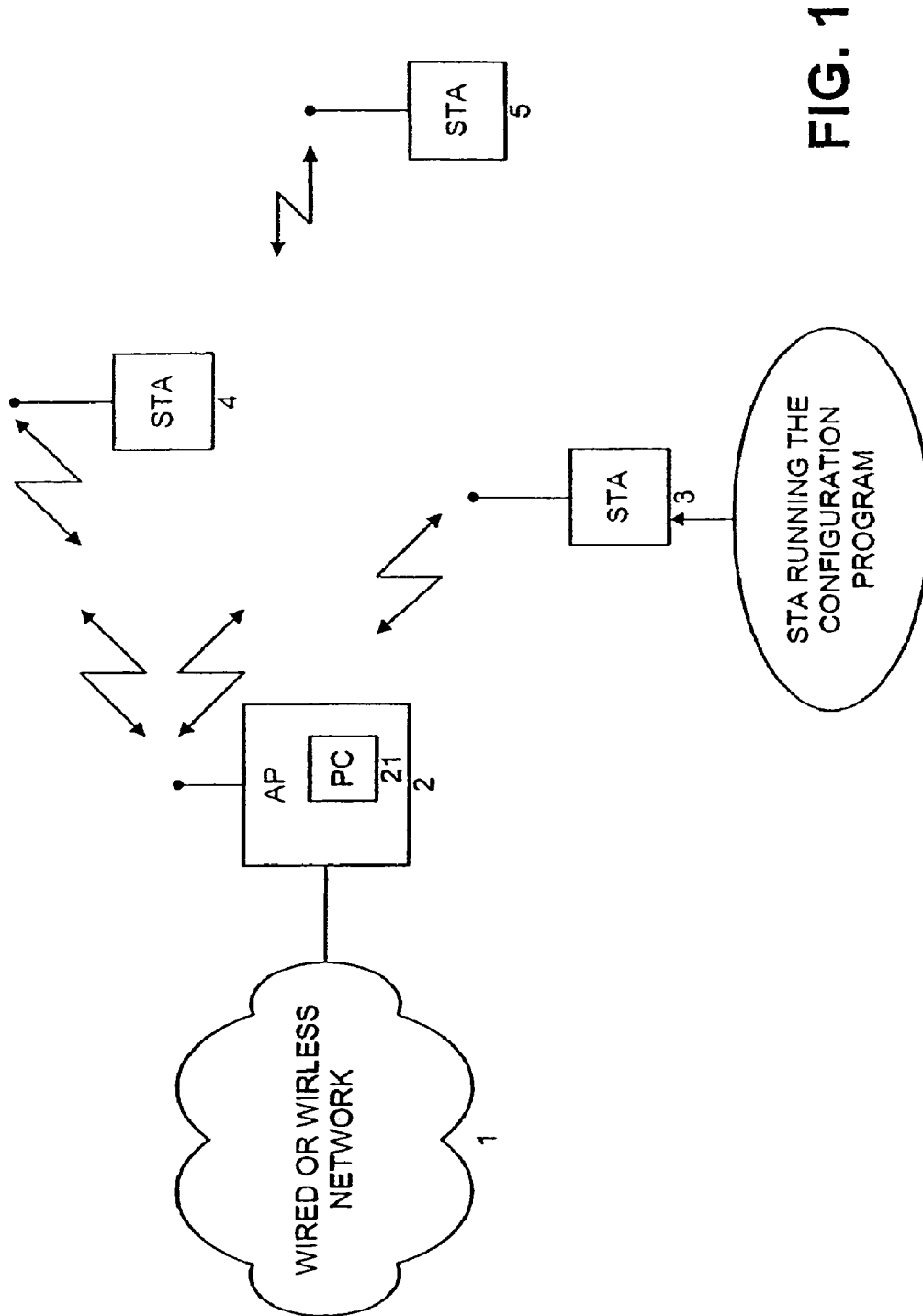


FIG. 1

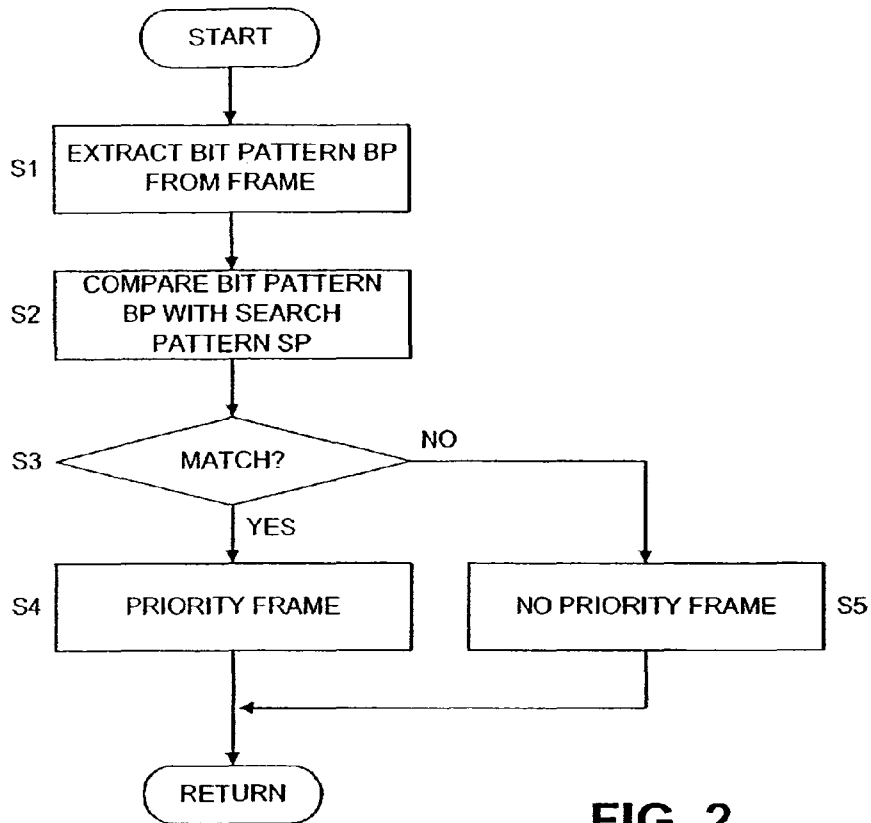


FIG. 2

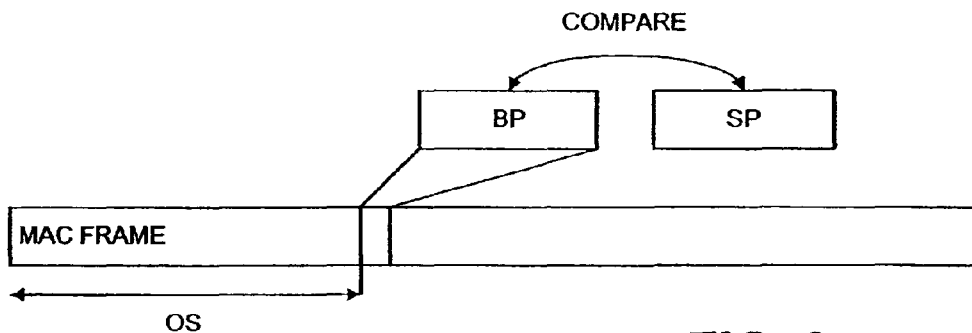


FIG. 3

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