

ABSTRACT**Method of identifying a protocol giving rise to a data flow**

The method for identifying a protocol at the origin of a flow of packets includes the following steps:

- capture (102) of the flow of the protocol to be identified,
- a statistical classification of the flow, comprising an extraction of the classification parameters and a comparison of the classification parameters with statistical models constructed during a learning phase.

The statistical classification includes:

- a first global statistical classification phase (108); and
- a step (120) for summarizing the results of the first and second classification phases (108, 110) in order to identify the protocol at the origin of the flow.

Fig. 2