

ABSTRACT**Method for analyzing malfunctions of a system and associated devices**

- 5 The invention relates to a method for analyzing malfunctions of a system, comprising an initialization phase and an operating phase comprising the following steps:
- providing a maintenance agent of a set of decision trees and a database,
 - performing by the agent of a sequence of maintenance operations on the system according to a part of the decision trees,
- 10 - sending information relating to the sequence of maintenance operations performed,
- updating the database using the information sent, and
 - updating the set of selected decision trees by applying a learning technique applied to the information sent, the update being carried out by a data processing unit of a
- 15 computer platform (10),
- the operating phase being repeated for a plurality of maintenance operations sequences.

Figure 1