

ABSTRACT

A method for automatically proposing an air conflict resolution, the method comprising a step (100) of receiving air conflict and air situation data at a time when an air conflict is detected, the method comprising the steps of:

- determining (101) a conflict category associated with said detected air conflict based on said conflict data;
- determining (102) a degree of relevance in proposing a resolution to said air conflict according to said category and said air situation;
- determining (111) one or more types of resolution to be applied to resolve said detected air conflict according to said degree of relevance;
- determining (112) a set of alternative trajectories corresponding to said one or more types of resolution;
- determining (113) a set of candidate trajectories from among the set of alternative trajectories, a candidate trajectory being an alternative trajectory which does not generate an air conflict;
- selecting (114), from among the candidate trajectories, a candidate trajectory which fulfills a selection criterion relating to the operational relevance of the candidate trajectories and to the acceptability of the candidate trajectories by the flight plan management system;
- returning (118) said candidate trajectory, said candidate trajectory being saved and re-evaluated as long as it does not generate an air conflict or has not been accepted by an air traffic controller.

Figure for the abstract: Fig.1