



ACQUISITION GROUPING

This innovative principle enables an increase in acquisition capability for dense zones

Potential applications

Implementation on operational software

Developed for satellites but also works on aircraft and drones

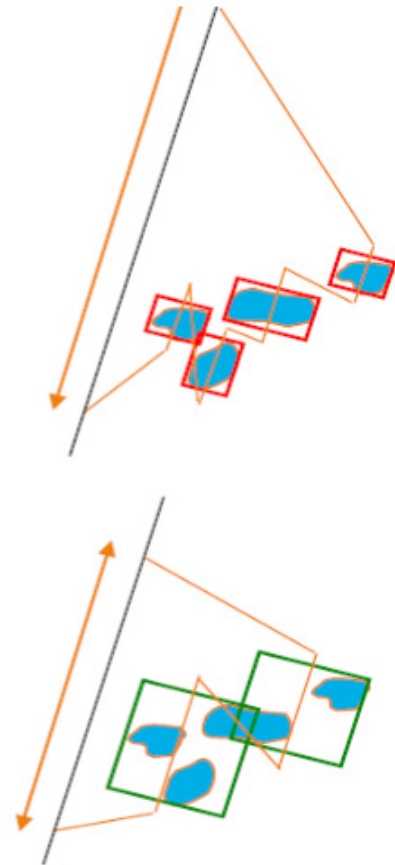
Summary of the invention

Grouping acquisitions together increases the acquisition capability for denser zones, while taking into account the capacity of the system implemented and respecting the priority assigned to the different acquisitions

Grouping is used in two cases:

A priori (a list of possible groupings is proposed from a data base of candidate acquisitions for programming)

On the fly when an acquisition is inserted into a plan (by first testing the most promising groupings)



Technological advantages

Enables optimisation of the construction of a satellite acquisition plan by maximising the acquisition capability

Covers several user needs with a single acquisition

The order of priority is maintained

Reduces programming times

Commercial advantages

Maximises the capability of the satellite to make acquisitions, particularly for denser zones

Reduces the acquisition time needed

Reduces the cost of acquisitions, particularly for a shared satellite

Patented invention available under licence