

MANAGEMENT SYSTEM TO REQUEST TERRESTRIAL OR CELESTIAL IMAGES

Technological advantages

Efficient system :

- Automated process.
- No dependence to a specific type of imaging system.
- Offers can be easily modified.
- Invitation to tender market system.
- Extends number of demands (no need for technical knowledge) and number of offers (simplified access to a large market place).

Invention synthesis

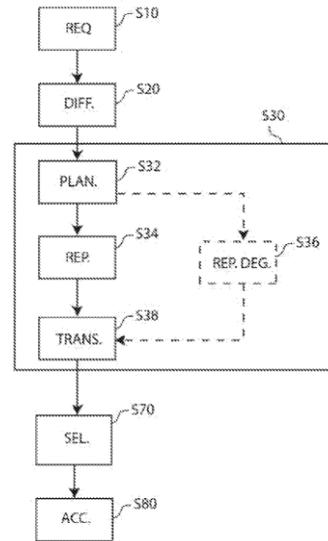
The invention deals with an automated management of imagery demands to a large set of service providers (aerial or space).

Traditionally, an applicant makes a specific request to an imagery service provider selected according to technical, operational, economical conditions. Applicant / provider exchanges can be complex.

The invention allows simplifying and automating the supply and demand process. The applicant's request is made available to a set of imagery service providers. The applicant must at least state the area to be observed (and may add conditions : date and time, geometry, weather, resolution, accuracy, ...) and then receives one or more replies from providers with at least a response period and a cost. Replies may be in partial compliance. The applicant validates the selected offer to the provider. This process and the invitation to tender are made automatic using computer software.

Potential applications

- Commercial or private aerial or space imagery using satellites, drones, aircrafts, balloons, ...



Process overview diagram

- (S10) Applicant's demand describing the requirements
- (S20) Broadcast the applicant's demand to the service providers
- (S30) Service provider reply(ies) to the applicant's demand
- (S32) Evaluation of the imaging system constraints
- (S34) Create offer if constraints are fulfilled
- (S36) Create degraded offer is not fulfilled
- (S38) Offers made available
- (S70) Applicant system selects an offering
- (S80) Applicant system validates the offering and sends the request to the selected service provider

Commercial benefits

- Simplified system for the applicant.
- Extended offering for imagery users.
- Service providers benefits from extended demands.
- Invitation to tender in a supply and demands market.

Patented invention - under license.