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(54) Title: AVIONIC SYSTEM FOR EMERGENCY INTERCEPTION IN CASE OF IMMINENT DAMAGES OF AIRCRAFT FLEETS FOLLOWING NATURAL DISASTER EVENTS

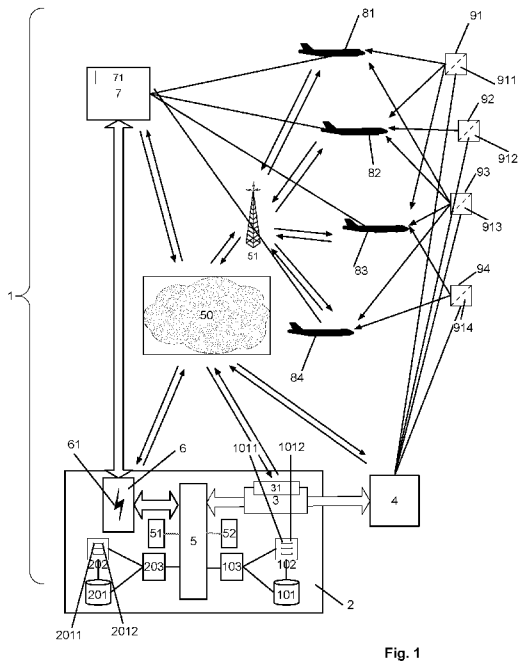


Fig. 1

(57) Abstract: The invention relates to an avionic system (1) for emergency interception preventing imminent grounding or damages of aircraft fleets (81,...,84) following natural disaster events or terroristic activities and to a corresponding method thereof. The avionic system (1) comprises a selectable hash table (103, 203) assigned to a flight plan (102, 202) of an aircraft fleet (81,...,84) with operational parameters of airports (91,...94). Said airports (91,...,94) are airports (91,...,94) flown to according the fight plan (102, 202).A plurality of ground stations (911,...,914) is situated at the airports (91,...,94). The ground stations (911,...,914) are linked via a communication network (50,51) to a receiver (3) of a central processing unit (2) receiving transmissions from a detection device (4). Based on said transmission,a filter module (5) dynamically incrementing a stack with transmitted time interval parameters (1011, 2011) of an airport closing and activating a failure deployment device (6) if a threshold, triggered on the incremented stack value, is reached, thereby generating an output signal (61) to provide operational interruption cover for the aircraft fleet (41,...,44) by means of an automated damage covering system (7).