

ALLNAMES:(Drone Defence)

2 results Offices all Languages en Stemming true Single Family Member false Include NPL false

Sort: Relevance

Per page: 10

View: All

1 / 1

Machine translation

1. **2598717** A METHOD OF CALCULATING THE POSITION OF AN UNMANNED AERIAL VEHICLE

GB - 16.03.2022

Int.Class [G01S 19/07](#) **Appl.No** 202013581 **Applicant** DRONE DEFENCE SERVICES LTD **Inventor** RICHARD KIERAN GILL

System and method of calculating the position of an unmanned aerial vehicle (UAV) 5 within an area utilising differential global positioning system and comprising one or more ground reference stations 1 in communication with a GPS 4 provided within, or defining a perimeter of the area 2. The arrangement detecting a UAV entering the area using the one or more ground reference stations and calculating the position of the UAV within the area by differential GPS utilising the position of the one or more ground reference stations and the detection of the UAV by the one or more ground reference stations.

2. **2602795** A METHOD OF DETECTING UAV'S

GB - 20.07.2022

Int.Class [G08G 5/00](#) **Appl.No** 202100187 **Applicant** DRONE DEFENCE SERVICES LTD **Inventor** RICHARD GILL

Signals emitted from an unmanned aerial vehicle (UAV) 8 of a UAV-type are detected during controlled use in a clean environment 3 [e.g. using signal detectors 5]. The signals are analysed to identify signal characteristics of the UAV-type, which are stored in a remote database 2. The UAV-type is validated when the stored signal characteristics are determined to be unique to the UAV-type, either in isolation or in combination. The database may be pre-populated with signal characteristics of commercially available UAV types. A UAV of one of the validated UAV-type is then detected by monitoring a protected airspace 7 for its stored unique signal characteristics. The signals may include radio frequency (RF) signals, e.g. UAV, controller or ADS-B signals. The signals may include visual signals [e.g. detected using a pan, tilt and zoom camera] or a pattern of movement [e.g. detected using a radar or visual camera]. The detected UAV's position may be monitored.

1 / 1

