

FP:("DEFENDTEX PTY LTD")

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Machine translation

1. [WO/2019/084629](#) SITUATIONAL AWARENESS, NAVIGATION AND COMMUNICATION FOR LOW-COST, GUN-LAUNCHED UAVS WO - 09.05.2019

Int.Class [G01S 13/89](#) Appl.No PCT/AU2018/051196 Applicant DEFENDTEX PTY LTD Inventor REDDY, Travis

An unmanned aerial vehicle (UAV), comprising: a projectile body; a propulsion system foldably deployable from the projectile body; a synthetic aperture radar (SAR) system comprising a SAR antenna fixedly and non-rotatably arranged on the projectile body; and a control system connected to the propulsion system and the SAR system, wherein the control system is configured to control: orientation of the projectile body and thus orientation of the SAR antenna; and operation of the SAR system so that the SAR system is selectively operable in one or more of: a situational awareness mode; a navigation mode; and a communication mode.

2. [20150241157](#) STACKED PROJECTILE LAUNCHER AND ASSOCIATED METHODS US - 27.08.2015

Int.Class [F41A 21/28](#) Appl.No 14336389 Applicant Defendtex Pty. Ltd. Inventor Daniel William Green

Provided is a barrel insert for use with a barrel containing a plurality of axially stacked projectiles. The barrel insert has a proximal and a distal end, the distal end adapted to engage a proximally disposed projectile disposed in the barrel. The barrel insert also defines an expansion volume for propellant gases for launching the proximally disposed projectile at a predetermined velocity.

3. [WO/2019/046911](#) UNMANNED AERIAL VEHICLE WO - 14.03.2019

Int.Class [B64C 39/02](#) Appl.No PCT/AU2018/050984 Applicant DEFENDTEX PTY LTD Inventor REDDY, Travis

An unmanned aerial vehicle (UAV) adapted for transit in and deployment from a projectile casing is provided. The UAV includes a wing assembly coupled to the projectile casing and the wing assembly moveable between a closed position and a deployed position. The UAV further includes a propulsion system including at least one rotor disposed on the wing assembly to generate lift, wherein in the closed position, the wing assembly is substantially integral with the projectile casing and in the deployed position, the wing assembly is extended outwards from the projectile casing.

4. [2002300810](#) PROJECTILE LAUNCHING APPARATUS AND METHOD FOR RAPID DELIVERY OF MATTER AU - 19.09.2002

Int.Class [F41A 21/06](#) Appl.No 2002300810 Applicant Defendtex Pty Ltd Inventor O'Dwyer, James Michael

Barrel assemblies [10] of the type having a plurality of projectiles [11] arranged in-line within a barrel [12] and associated with discrete selectively ignitable propellant charges [13] for propelling the projectiles [11] sequentially through the muzzle of the barrel. Projectiles [11] are intended for civilian or non-military purposes and include a holding body [17] in which matter or objects may be transported. Projectiles [11] are arranged with one another and barrel [12] so as to prevent rearward travel of an ignited propellant charge to the trailing propellant charge. The matter or objects contained within holding body [17] may include explosive charges for seismic exploration, fire retardants, fire extinguishing means, pyrotechnics, herbicide, insecticide, fertiliser or seeds. Methods of delivering loaded projectiles for civilian purposes, requiring matter or objects to be delivered to a remote, inaccessible or inhospitable zone

5. [2018904211](#) METHODS FOR EXTENDING OPERATION OF UAVS AU - 15.11.2018

Int.Class Appl.No 2018904211 Applicant Defendtex Pty Ltd Inventor

6. [20150241186](#) STACKABLE PROJECTILE US - 27.08.2015

Int.Class [F42B 5/03](#) Appl.No 13936982 Applicant Defendtex Pty. Ltd. Inventor Rene Rosales

The present invention relates to stackable projectiles having a warhead and a propulsion unit. An adaptor enables the warhead to be coupled to propulsion units made of different materials. Furthermore, an adaptor couples different profiles of warheads and propulsion units and allows projectiles to be stacked without need for design modifications. The assembled projectile can be fired electrically or mechanically.

7. [20220177126](#) UNMANNED AERIAL VEHICLE US - 09.06.2022

Int.Class [B64C 39/02](#) Appl.No 17352930 Applicant DEFENDTEX Pty Ltd Inventor Travis Reddy

An unmanned aerial vehicle (UAV) adapted for transit in and deployment from a projectile casing is provided. The UAV includes a wing assembly coupled to the projectile casing and the wing assembly moveable between a closed position and a deployed position. The UAV further includes a propulsion system including at least one rotor disposed on the wing assembly to generate lift, wherein in the closed position, the wing assembly is substantially integral with the projectile casing and in the deployed position, the wing assembly is extended outwards from the projectile casing.



8. [2000045232](#) PROJECTILE FIRING APPARATUS

AU - 11.01.2001

Int.Class [F41A 21/06](#) Appl.No 45232/00 Applicant Defendtex Pty Ltd Inventor

A weapon comprising a transportable pod having a plurality of barrel assemblies [10] of the type including a plurality of projectiles [11] arranged in-line within barrel [12]. Each projectile [11] is associated with a discrete, selectively ignitable propellant charge [13] for propelling each projectile [11] sequentially through the muzzle of barrel [12]. Each projectile [11] includes projectile body [22] in which matter or objects may be transported. Projectiles [11] are arranged with one another and barrel [12] so as to prevent rearward travel of an ignited propellant charge to the trailing propellant charge. The pod can include a direction control means for selectively varying the relative alignment between barrel assemblies [10] so as to selectively vary the relative delivered position of projectile [11] fired from different barrels [12]. The weapon may be used for military or civilian applications.

9. [2017904503](#) OPERATION OF UNMANNED AERIAL VEHICLES USING SYNETHIC APERTURE RADAR

AU - 16.11.2017

Int.Class Appl.No 2017904503 Applicant Defendtex Pty Ltd Inventor

10. [2017904475](#) OPERATION OF A UNMANNED AERIAL VEHICLES USING SYNTHETIC APERTURE RADAR

AU - 16.11.2017

Int.Class Appl.No 2017904475 Applicant Defendtex Pty Ltd Inventor

