CLAIMS

1. Integrated system for combating improvised explosive devices provided with electronic components, said system (1) comprising:

- means (2) for remotely detecting electronic components, said means being provided with at least a transmission antenna (3) and a reception antenna (4) and being formed so as to detect non-linear junctions of electronic components;
- an orientable block (6) in which at least the transmission and reception antennas (3, 4) of said detection means (2) are mounted, which are directed so as to illuminate at least a same zone (Z1, Z2) of space;
- means (8) for controlling the orientation of said orientable block (6), which cause a displacement of said orientable block (6) so as to generate a scan of part of space by said detection means (2); and
- means (5) for neutralising improvised explosive devices, characterised in that it further comprises a detection confirmation camera (7) which is mounted in said orientable block (6) and is directed toward the zone (Z1, Z2) illuminated by said transmission and reception antennas (3, 4) so as to be able to form an image of this zone (Z1, Z2),

wherein said transmission and reception antennas (3, 4) and said detection confirmation camera (7) are fixed in said orientable block (6).

2. System according to claim 1, characterised in that it further comprises means (9) for displaying, on a display screen (10), the images generated by said detection confirmation camera (7), and means (11) for manually adjusting the scale of the display shown on said display screen (10), said display screen (10) and said adjustment means (11) being remote from said orientable block (6).

3. System according to either claim 1 or claim 2, characterised in that said detection confirmation camera (7) is directed toward the centre of the zone (Z1, Z2) illuminated by said transmission and reception antennas (3, 4).

4. System according to any one of claims 1 to 3, characterised in that said means (8) for controlling the orientation of said orientable block (6) cause a displacement of said orientable block (6) so as to obtain a scan at a constant scanning speed.

5. System according to any one of claims 1 to 3, characterised in that said transmission antenna (3) and said reception antenna (4) are mounted side by side on said orientable block (6).

6. System according to any one of claims 1 to 3, characterised in that said transmission antenna (3) and said reception antenna (4) are mounted in tandem on said orientable block (6).

7. System according to any one of the preceding claims, characterised in that said detection means (2) comprise:
- a signal transmitter (16) capable of transmitting at least a pulsed signal;
- said transmission antenna (3), which is connected to said signal transmitter (16);
- a signal receiver (17) capable of receiving at least pulsed signals returned by improvised explosive devices provided with electronic components;
- said reception antenna (4), which is connected to said signal receiver (17); and
- a signal control and processing unit (18), which is connected to said signal transmitter (16) and to said signal receiver (17).

8. System according to any one of the preceding claims, characterised in that said detection means (2) further comprise means (11) for adjusting the frequency of the signal.

9. System according to any one of the preceding claims, characterised in that at least means (20) for directing the firing of said neutralisation means (5) are arranged on said orientable block (6) and are directed toward the zone illuminated by said transmission and reception antennas (3, 4).

10. System according to any one of claims 1 to 9, characterised in that said neutralisation means (5) comprise a disruptor gun (20).

11. System according to any one of claims 1 to 9, characterised in that said neutralisation means (5) comprise a microwave generator coupled to an orientable antenna.

12. Movable device comprising means for combating improvised explosive devices, characterised in that said combating means comprise the integrated system (1) for combating improvised explosive devices, specified in any one of claims 1 to 11.

13. Movable device according to claim 12, characterised in that said movable device is a land vehicle (12), and in that said block (6) of said integrated system (1) is mounted on the roof of said land vehicle (12) and is arranged and controlled so as to carry out a scan of the ground in front of said land vehicle (12).

14. Movable device according to any one of claims 12 to 13, characterised in that it comprises means for transmitting a warning signal when the current speed of the land vehicle (12) exceeds a reference speed that depends on the scanning speed of said detection means (2).

15. Movable device according to claim 12, characterised in that said movable device is a helicopter, and in that said block of said integrated system is mounted underneath said helicopter and is arranged and controlled so as to carry out a scan of the ground when the helicopter is flying.