

CLAIMS

1. A gantry of a metro security system for detecting one or more concealed weapons carried by commuters passing therethrough, the gantry comprising:

5 a radar screening device adapted to scan commuters in real time to detect the concealed weapon and produces an image signal pertaining to the detected concealed weapon;

an image processor connected to the radar screening device to receive signals from the radar screening device to render images based on the detected signals; and

a communication module connected to the image processor to transmit the images to a computing unit over a communication network for analysis.

10 2. The gantry according to claim 1, wherein the received signals are affirmative signal, or the negative signal depicting a plurality of parameters pertaining to the detected the concealed weapon.

3. The gantry according to claim 1, wherein the processing unit depicts the plurality of parameters through a display module configured with the computing unit.

15 4. The gantry according to claim 1, wherein the plurality of parameters comprising a dimension of the concealed weapons, type of the concealed weapons, and model of the concealed weapons.

5. The gantry according to claim 1, wherein the radar screening device receives one or more control instructions from the computing unit.

20 6. The gantry according to claim 1, wherein the radar screening device is adapted to scan at least 40 passenger per minute.

7. The gantry according to claim 6, wherein the radar screening device is adapted to process the scan results in real-time.
8. The gantry according to claim 1, wherein the radar screening device is sized to fit within any existing gantry.
- 5 9. The gantry according to claim 1, further comprising chemical spray for spraying invisible spray on commuter when needed.
10. The gantry according to claim 1, further comprising temperature scanner for detecting body temperature of commuter.
11. A method for detecting one or more concealed weapons carrying by commuters , the
10 method comprising:
- deploying a gantry having a radar scanning device;
- scanning commuters to detect the concealed weapon and produces an image signal pertaining to the detected concealed weapon through the radar screening device;
- receiving the image signal and processes the image signal to produce at least one of an
15 affirmative signal, and a negative signal through an image processor; and
- communicating the produced affirmative signal, or the negative signal to a computing unit over a communication network for analysis through a communication module.
12. The method according to claim 11 comprises processing the received affirmative signal, or the negative signal and depicting a plurality of parameters pertaining to the detected
20 concealed weapon through a processing unit.
13. The method according to claim 11, wherein the processing unit depicts the plurality of parameters through a display module configured with the computing unit.

14. The method according to claim 11, wherein the plurality of parameters comprising a dimension of the concealed weapons, type of the concealed weapons, and model of the concealed weapons.
15. The method according to claim 11, wherein the radar screening device receives one or
5 more control instructions from the computing unit.