

## AUTOMATIC SYSTEM FOR IDENTIFYING AND CONTROLLING PERSONS AND REGULATING ACCESS TO RESTRICTED AREAS

Main Technological Areas —> Mechanics, Sensors

Keyword —> Identification | Access control | Transportable | Foldable | Sensors | Imaging

This invention can be used to check all people and things which need to access controlled areas that are such for a temporary or unlimited period. Typical controlled areas where controlled access takes place can be for example courts, airports, public offices, exhibition centers, historical monuments such as churches, museums. There are places that can only become controlled areas for a limited period of time, for example sheds used for exhibitions or trade fairs that for a certain period can host events that require security check-point for persons and materials. Such places are usually not equipped with fast deployable control systems. Therefore, during such events it is necessary to install barriers with control stations. The patented system can solve the problem of how to have an occasional, on-the-fly installation that is fast deployable and effective to the scope.

### TECHNICAL FEATURES

The solution comprises a check-point module having inside a plurality of electronic recognition devices. In addition, the box is supported with retractable wheels, allowing the module to be easily movable to the designated place. The mechanical design of the module also allows its quick folding and consequent load on a standard pallet.

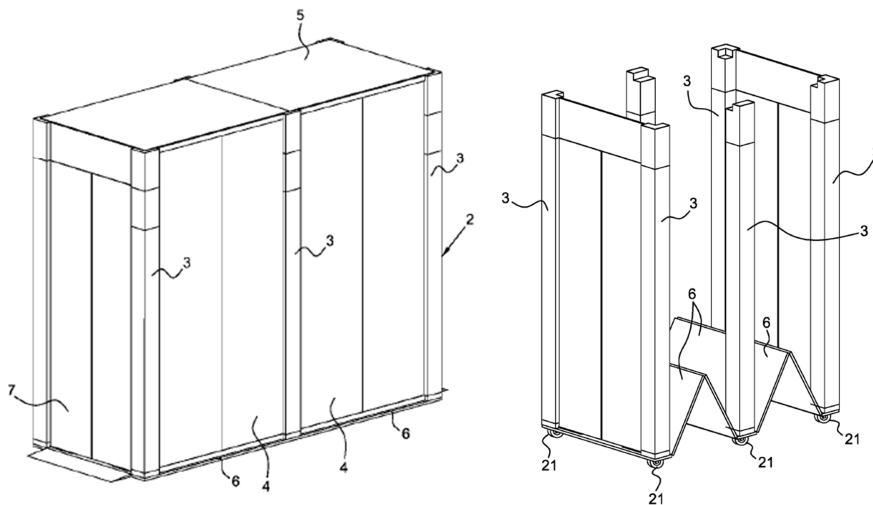


Figure 1 - Perspective view of an identification module and its folding

Besides its mechanical features, the identification module can be equipped with a number of devices useful for the recognition, security check or determination of health status of people entering in the module, also supporting access control functionalities; devices can be video cameras, loud speakers, monitors, user interfaces, such as small keyboards or "touch screens", retinal or facial recognition scanners, devices for detecting the presence of drugs or explosives, smart card readers, QR code readers. A solar panel can be mounted on top of the module for autonomous power supply of the devices mentioned above.

**INNOVATION/BENEFITS**

- *Compatibility with outdoor use*
- *Simplified design*
- *Small sized, easy to carry*
- *Reduction in transportation and setup time*
- *Autonomous power supply (solar panels)*
- *Capability to host several types of sensors/equipments*

**AREAS OF USE**

<b>Security</b>	<i>Identification and access control for courts, airports, public/private offices, exhibition centers, historical monuments such as churches, museums, logistic sites</i>
<b>Emergency</b>	<i>Controlled access to disaster sites, control rooms, safe zones in biohazard/chemical events</i>
<b>Health</b>	<i>Controlled access to surgery rooms, ICUs, triage sites of emergency departments</i>

**PATENT INFORMATION**

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