Prototype Boarding Gate with Built-in Explosives Detection

Detecting Explosive Compounds Adhering to Portable Devices and IC Cards

Characteristics

(1) High-speed collection of minute particles adhering to IC

(2) High-speed concentration of the collected particles and high-sensitivity mass spectrometry analysis

(3) Internalized compact high-sensitivity mass spectrometer

Plan

The technology is expected to contribute to the prevention and containment of carry-on explosives as it inspects immediately prior to boarding without disrupting the flow of passengers, and provides increased security without affecting convenience.