

Abstract

Method of Transferring Air Cargo Loading Units, and Transfer and Security Checking System for Carrying Out Said Method

A method of transferring air cargo loading units (12) between a publicly accessible operational zone (A) and a security-sensitive apron zone (B), including a stationary transfer and security checking system (10) which comprises a first transfer device (22), a second transfer device (24), and a cargo lock (14) in between, the cargo lock (14) including a lock chamber (16) which is connected to the first transfer device (22) via a cargo entrance gate (18) and to the second transfer device (24) via a cargo exit gate (20), includes the following method steps:

- a) the air cargo loading units (12) are delivered by a road or rail transport means (28) via the publicly accessible operational zone (A);
- b) the cargo entrance gate (18) is opened with the cargo exit gate (20) in the closed condition;
- c) the air cargo loading units (12) are transported into the lock chamber (16) by means of the first transfer device (22);
- d) the lock chamber (16) is separated from the publicly accessible operational zone (A) by closing the cargo entrance gate (18);
- e) a security check of the air cargo loading units (12) is performed in the closed lock chamber (16);
- f) the lock chamber (16) is connected to the security-sensitive apron zone (B) by opening the cargo exit gate (20);
- g) the air cargo loading units (12) are loaded onto air cargo apron transport units (34) by means of the second transfer device (24).

The present invention further relates to a transfer and security checking system (10) for carrying out this method.