

Title (en)
PASSENGER CABIN EMERGENCY OXYGEN DEVICE

Title (de)
NOTFALLSAUERSTOFFGERÄT FÜR EINE PASSAGIERKABINE

Title (fr)
DISPOSITIF D'OXYGÈNE D'URGENCE DE CABINE DE PASSAGER

Publication
EP 2486958 A1 20120815 (EN)

Application
EP 11153950 A 20110210

Priority
EP 11153950 A 20110210

Abstract (en)
The Invention relates to a passenger cabin emergency oxygen device for an aircraft, comprising at least one electrically driven activation device for activating the emergency oxygen device, at least one energy storage device for storing electrical energy and supplying said electrical energy to the at least one activation device at least one controller adapted for receiving a signal to activate the emergency oxygen device and a source of electrical energy. Said source of electrical energy and said energy storage device are coupled together for substantially constant energy transmission from the source of electrical energy to the energy storage device at a first energy level, said activation device and said controller are coupled together for signal transmission from the controller to the activation device, said activation device and said energy storage device are coupled together for energy transmission from the energy storage device to the activation device at a second energy level which is higher than the first energy level and said activation device, said energy storage device and said controller build one single unit adapted to be inserted into a roof element of an aircraft cabin interior. Furthermore the invention relates to a passenger cabin emergency oxygen device for an aircraft comprising a test-case-mode, wherein the bottom lid is released from a closed position to a restrained position and an emergency-case-mode, wherein the bottom lid is released from said closed or said restrained position to a fully open position. Furthermore the invention relates to a method for activating and a method for operating a passenger cabin emergency oxygen device for an aircraft. The invention also relates to an aircraft.

IPC 8 full level
A62B 7/14 (2006.01)

CPC (source: EP)
A62B 7/14 (2013.01)

Citation (search report)
• [X] EP 2090335 A1 20090819 - INTERTECHNIQUE SA [FR]
• [X] EP 2168635 A1 20100331 - INTERTECHNIQUE SA [FR]
• [X] WO 8402279 A1 19840621 - BOEING CO [US]
• [X] US 4718572 A 19880112 - GOSSE DOMINIQUE [FR], et al

Cited by
EP4306432A1; EP3020635A1; CN105599903A; US9683395B2; WO2015095409A1; WO2014201399A1; US11247448B2; US11766856B2

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