

Title (en)
CENTRALIZED CONTROL OF DISTRIBUTED OXYGEN SYSTEM

Title (de)
ZENTRALISIERTE STEUERUNG EINES VERTEILTEN SAUERSTOFFSYSTEMS

Title (fr)
COMMANDE CENTRALISÉE D'UN SYSTÈME D'OXYGÈNE DISTRIBUÉ

Publication
EP 4295920 A1 20231227 (EN)

Application
EP 23179613 A 20230615

Priority
• IN 202211035528 A 20220621
• US 202217952087 A 20220923

Abstract (en)
An oxygen supply system (100) for delivering oxygen to passengers in an aircraft in an event of a loss of cabin pressure includes a source of oxygen (113, 123, 133), a passenger service unit (110, 120, 130), and a main controller (101). The passenger service unit includes a face mask (114, 124, 134) configured to facilitate a flow of an accumulated volume of oxygen from the source of oxygen, and a sensor (106) configured to detect at least one of an ambient pressure, an airflow in a first direction, or an airflow in a second direction. The main controller is configured to determine at least one of the ambient pressure, the airflow being in the first direction, or the airflow being in the second direction, and command delivery of oxygen from the source of oxygen to the face mask in response to the determination.

IPC 8 full level
A62B 7/14 (2006.01)

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

Citation (applicant)
IN 202211035528 A

Citation (search report)
• [X] US 2021299483 A1 20210930 - FERROY JON A [US], et al
• [X] US 2019224505 A1 20190725 - WALKER STUART DAVID DIXON [FR], et al
• [X] US 2006118115 A1 20060608 - CANNON JAMES [US]
• [X] US 2019185166 A1 20190620 - NEUMANN CARSTEN [DE], et al
• [X] CN 111434363 A 20200721 - B/E AEROSPACE SYSTEM GMBH
• [X] FR 3091486 A1 20200710 - B/E AEROSPACE SYSTEMS GMBH [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4295920 A1 20231227

DOCDB simple family (application)
EP 23179613 A 20230615