

Title (en)

OXYGEN REDUCING INSTALLATION AND METHOD FOR DIMENSIONING OUT AN OXYGEN REDUCING INSTALLATION

Title (de)

SAUERSTOFFREDUZIERUNGSANLAGE UND VERFAHREN ZUM AUSLEGEN EINER SAUERSTOFFREDUZIERUNGSANLAGE

Title (fr)

INSTALLATION DE RÉDUCTION D'OXYGÈNE ET PROCÉDÉ DE CONCEPTION D'UNE INSTALLATION DE RÉDUCTION D'OXYGÈNE

Publication

EP 3111999 B1 20171206 (DE)

Application

EP 15175014 A 20150702

Priority

EP 15175014 A 20150702

Abstract (en)

[origin: CA2990980A1] The invention relates to a plant for reducing the oxygen content in the atmosphere of an enclosed space and/or for maintaining a reduced oxygen content in the atmosphere of an enclosed space, below a preset operating concentration that is reduced in comparison to the oxygen concentration in normal ambient air. To that end, the plant has a gas separation system whose outlet is fluidically connected to the enclosed space for the continuous supply of an oxygen-reduced gas mixture or oxygen-displacing gas. The gas separation system is configured such that, during continuous operation of the gas separation system, the oxygen concentration in the atmosphere of the enclosed space is always in a range between the preset operating concentration and a preset or settable lower limit concentration.

IPC 8 full level

A62C 99/00 (2010.01)

CPC (source: EP RU US)

A62C 99/00 (2013.01 - RU); **A62C 99/0018** (2013.01 - EP US); **A62C 3/002** (2013.01 - US); **A62C 3/16** (2013.01 - US)

Cited by

WO2021058217A3

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3111999 A1 20170104; EP 3111999 B1 20171206; AU 2016288367 A1 20180208; AU 2016288367 B2 20201203; BR 112017028338 A2 20180904; BR 112017028338 B1 20211116; CA 2990980 A1 20170105; CA 2990980 C 20230704; CN 107847777 A 20180327; CN 107847777 B 20200522; ES 2658472 T3 20180312; MX 2017016477 A 20180517; NO 3111999 T3 20180505; PL 3111999 T3 20180530; PT 3111999 T 20180214; RU 2018103669 A 20190806; RU 2018103669 A3 20190920; RU 2710630 C2 20191230; TR 201802143 T4 20180321; US 10456611 B2 20191029; US 2018185684 A1 20180705; WO 2017001222 A1 20170105; ZA 201708465 B 20191127

DOCDB simple family (application)

EP 15175014 A 20150702; AU 2016288367 A 20160620; BR 112017028338 A 20160620; CA 2990980 A 20160620; CN 201680039295 A 20160620; EP 2016064148 W 20160620; ES 15175014 T 20150702; MX 2017016477 A 20160620; NO 15175014 A 20150702; PL 15175014 T 20150702; PT 15175014 T 20150702; RU 2018103669 A 20160620; TR 201802143 T 20150702; US 201615738621 A 20160620; ZA 201708465 A 20171213