

Title (en)

FILTER OXYGEN METHOD, APPARATUS AND SYSTEM

Title (de)

FILTERSAUERSTOFFVERFAHREN, -VORRICHTUNG UND -SYSTEM

Title (fr)

PROCÉDÉ, APPAREIL, ET SYSTÈME D'OXYGÈNE À FILTRE

Publication

**EP 3787724 A4 20220112 (EN)**

Application

**EP 19810054 A 20190529**

Priority

- US 201862677330 P 20180529
- US 2019034368 W 20190529

Abstract (en)

[origin: WO2019232028A1] An apparatus and method for concentrating oxygen is provided. The apparatus comprises an air intake fluidly connected to an air outlet, at least two absorbent beds, a compressor for receiving air from the atmosphere, compressing the air, and delivering the air into the at least two absorbent beds, a removeable filter coupled to the compressor to filter a flow of air between the air intake and the air outlet, wherein the removeable filter comprises an electronic tag operable to transmit identifying information of the removable filter, and a processor operable to communicate with the electronic tag to receive the identifying information of the removeable filter.

IPC 8 full level

**A61M 16/10** (2006.01); **A61M 16/00** (2006.01)

CPC (source: EP)

**A61M 16/101** (2014.02); **B01D 46/0086** (2013.01); **B01D 46/009** (2013.01); **B01D 46/429** (2013.01); **B01D 46/442** (2013.01); **B01D 46/46** (2013.01); **B01D 53/0407** (2013.01); **A61M 16/0051** (2013.01); **A61M 16/0063** (2014.02); **A61M 16/106** (2014.02); **A61M 16/16** (2013.01); **A61M 2205/50** (2013.01); **A61M 2205/502** (2013.01); **A61M 2205/583** (2013.01); **A61M 2205/6054** (2013.01); **B01D 46/10** (2013.01)

Citation (search report)

- [I] WO 2017161530 A1 20170928 - 3M INNOVATIVE PROPERTIES CO [US], et al
- [IY] US 6394089 B1 20020528 - CANTRILL DEAN [US], et al
- [Y] WO 0032298 A1 20000608 - PSI GLOBAL LTD [GB], et al
- [Y] WO 2016070474 A1 20160512 - FOSHAN SHUNDE APOLLO AIR CLEANER CO LTD [CN]
- [Y] US 2016095994 A1 20160407 - CURRIN JARROD D [US], et al
- See references of WO 2019232028A1

Designated contracting state (EPC)

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**WO 2019232028 A1 20191205**; CA 3101985 A1 20191205; EP 3787724 A1 20210310; EP 3787724 A4 20220112

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