

Title (en)
PORTABLE OXYGEN SUPPLY DEVICE

Title (de)
TRAGBARE SAUERSTOFFVERSORGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF PORTABLE D#ALIMENTATION EN OXYGENE

Publication
EP 4124363 A1 20230201 (EN)

Application
EP 21187793 A 20210726

Priority
EP 21187793 A 20210726

Abstract (en)
A portable oxygen supply device is proposed, comprising an oxygen tank comprising pressurized oxygen, a supply hose couplable with the oxygen bottle and having an oxygen outlet at a distal end attachable to a nose region of a user, a pulse oximeter clampable to a body part of the user, a control valve arranged upstream of the oxygen outlet, and a control unit having a processor coupled with the pulse oximeter and the control valve, wherein the pulse oximeter is adapted for detecting an oxygen saturation of a user and providing oxygen saturation signals to the control unit, wherein the control unit is adapted to monitor a temporal progression of the oxygen saturation of the user based on the oxygen saturation signals received from the pulse oximeter, and wherein the control unit is adapted to selectively open and close the control valve based on the temporal progression of the oxygen saturation of the user to reach and maintain an increased oxygen saturation of the user.

IPC 8 full level
A62B 7/14 (2006.01); **A62B 7/02** (2006.01)

CPC (source: EP)
A62B 7/02 (2013.01); **A62B 7/14** (2013.01)

Citation (search report)
• [X1] US 2012160244 A1 20120628 - SHARMA HK ANURAG [IN]
• [X1] US 2002195105 A1 20021226 - BLUE BRENT [US], et al
• [X1] US 2002148470 A1 20021017 - BLUE DR BRENT [US], et al
• [X1] US 2018104426 A1 20180419 - OLDFIELD SAMANTHA DALE [NZ], et al

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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