

Title (en)

DEVICE FOR THE ADMINISTRATION OF AN AIR/GAS MIXTURE FOR RESPIRATORY THERAPY

Title (de)

VORRICHTUNG ZUR VERABREICHUNG EINES LUFT-/GASGEMISCHS FÜR DIE ATEMTHERAPIE

Title (fr)

DISPOSITIF POUR L'ADMINISTRATION D'UN MÉLANGE AIR/GAZ POUR UNE THÉRAPIE RESPIRATOIRE

Publication

**EP 3110489 A1 20170104 (EN)**

Application

**EP 15710864 A 20150217**

Priority

- IT BO20140092 A 20140226
- IB 2015000184 W 20150217

Abstract (en)

[origin: WO2015128716A1] The present invention is concerned with a device for the administration of a flow of air/gas for respiratory therapy, comprising: - a hollow tubular body (2) that is intended to be connected to a patient interface device; - a gas outlet nozzle body (3) placed inside said tubular body and distanced from the inner wall of the tubular body in order to form an annular cavity (6); - a gas inlet nozzle (4) in fluid communication with the nozzle body and intended to be connected to a gas source; - at least one air intake aperture (5) intended to place the tubular body in communication with the outside environment, wherein the outlet nozzle body comprises a plurality of outlet holes (31, 32) from which the gas coming from the inlet nozzle exits, and wherein the gas exiting from the outlet holes is mixed with the air that enters the tubular body, as a result of the Venturi effect, from said at least one air intake aperture through said annular cavity, before it reaches the interface device.

IPC 8 full level

**A61M 16/12** (2006.01); **B01F 5/04** (2006.01)

CPC (source: EP)

**A61M 16/127** (2014.02); **A61M 16/201** (2014.02); **B01F 23/10** (2022.01); **B01F 25/31242** (2022.01); **B01F 25/312521** (2022.01); **A61M 16/0816** (2013.01); **A61M 2202/0208** (2013.01); **A61M 2205/42** (2013.01)

Citation (search report)

See references of WO 2015128716A1

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

DOCDB simple family (publication)

**WO 2015128716 A1 20150903**; EP 3110489 A1 20170104

DOCDB simple family (application)

**IB 2015000184 W 20150217**; EP 15710864 A 20150217