

Title (en)

CONNECTOR FOR A PATIENT VENTILATION SYSTEM

Title (de)

KONNEKTOR FÜR EIN PATIENTEN-BEATMUNGSSYSTEM

Title (fr)

CONNECTEUR POUR SYSTÈME D'ASSISTANCE RESPIRATOIRE À UN PATIENT

Publication

**EP 4041357 A1 20220817 (DE)**

Application

**EP 20789922 A 20201008**

Priority

- DE 102019215483 A 20191009
- DE 102019216485 A 20191025
- EP 2020078219 W 20201008

Abstract (en)

[origin: WO2021069550A1] The invention relates to a monitoring connector (13) for a patient ventilation system, which is used to connect to a respiratory air tube section for conducting ventilation air from a respiratory air source to a patient and to connect the respiratory air tube section to a patient-air interface. The connector (13) has an open-loop/closed loop control unit (35) and at least one sensor (45, 45a) for detecting a respiratory air parameter, which is connected to the open-loop/closed-loop control unit (35) via signals. According to one aspect of the invention, the connector (13) has a signal data memory for at least temporarily storing signal data. According to another aspect of the invention, the sensor (45a) is configured such that it measures the respiratory air parameter while in contact with the respiratory air. According to a further aspect of the invention, the connector (13) has at least one environment sensor for detecting an environment parameter, which is connected to the open-loop/closed-loop control unit (35) via signals. According to a further aspect of the invention, the sensor (45) is configured such that it contactlessly measures the respiratory air parameter. According to a further aspect of the invention, the open-loop/closed-loop control unit (35) has multiple signal transmission interfaces, wherein one of these interfaces is configured for signal processing with the sensor (45, 45a) and another of these interfaces is prepared for signal processing with a sensor that has not yet been installed in the connector (13). This results in a connector that can be used flexibly and can be adapted to any requirements.

IPC 8 full level

**A61M 16/08** (2006.01); **A61B 5/08** (2006.01); **A61M 15/00** (2006.01); **A61M 16/00** (2006.01); **A61M 16/10** (2006.01)

CPC (source: CN EP US)

**A61M 16/022** (2017.07 - US); **A61M 16/0816** (2013.01 - CN); **A61M 16/0833** (2014.02 - CN); **A61M 16/0841** (2014.02 - EP); **A61M 16/085** (2014.02 - US); **A61M 16/0858** (2014.02 - US); **A61M 16/1095** (2014.02 - EP US); **A61B 5/08** (2013.01 - EP); **A61M 15/0083** (2014.02 - EP); **A61M 16/161** (2014.02 - EP); **A61M 2016/0027** (2013.01 - EP US); **A61M 2016/0033** (2013.01 - EP); **A61M 2205/0227** (2013.01 - EP); **A61M 2205/14** (2013.01 - EP); **A61M 2205/18** (2013.01 - EP); **A61M 2205/3306** (2013.01 - EP US); **A61M 2205/332** (2013.01 - EP); **A61M 2205/3334** (2013.01 - EP); **A61M 2205/3368** (2013.01 - EP); **A61M 2205/3375** (2013.01 - EP); **A61M 2205/52** (2013.01 - EP US); **A61M 2205/587** (2013.01 - EP); **A61M 2205/60** (2013.01 - US); **A61M 2205/6018** (2013.01 - EP); **A61M 2205/6054** (2013.01 - EP); **A61M 2230/06** (2013.01 - EP); **A61M 2230/43** (2013.01 - US); **A61M 2230/432** (2013.01 - EP); **A61M 2230/50** (2013.01 - EP); **A61M 2230/63** (2013.01 - US); **A61M 2230/65** (2013.01 - EP)

Citation (search report)

See references of WO 2021069550A1

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 2021069550 A1 20210415**; CN 114938635 A 20220823; EP 4041357 A1 20220817; US 2024100286 A1 20240328

DOCDB simple family (application)

**EP 2020078219 W 20201008**; CN 202080071383 A 20201008; EP 20789922 A 20201008; US 202017767405 A 20201008