

Title (en)

EXHAUST DEVICE WITH CONTROLLED SUCTION DEVICE

Title (de)

ABZUGSVORRICHTUNG MIT GEREGLTER ABSAUGEINRICHTUNG

Title (fr)

DISPOSITIF D'ASPIRATION COMPORTANT UN SYSTÈME D'ASPIRATION RÉGULÉ

Publication

**EP 3247496 A1 20171129 (DE)**

Application

**EP 16700890 A 20160118**

Priority

- DE 102015201026 A 20150122
- EP 2016050911 W 20160118

Abstract (en)

[origin: WO2016116408A1] An exhaust device (100), in particular for laboratory areas, comprising: a housing with side walls and a cover wall (170) enclosing a working chamber (180), wherein at least one of the side walls comprises a moveable window slide (150); a controllable suction device (120; 120') to guide air from the working chamber (180) via at least one exhaust air connection (123; 123') of an exhaust air system, wherein the suction device (120; 120') comprises at least two air inlet openings (124, 125, 126; 124', 125', 126') which are separated from one another and the volume flows of which can be adjusted and controlled independently from one another, wherein the volume flows of the air inlet openings (124, 125, 126; 124', 125', 126') and the proportional ratio of the volume flows to one another are controlled in accordance with operating parameters which are detected by means of sensors, wherein the exhaust air volume flow and the air distribution in the working chamber (180) are controllable via the air inlet openings (124, 125, 126; 124', 125', 126').

IPC 8 full level

**B01L 1/04** (2006.01); **B08B 15/02** (2006.01); **F24F 7/00** (2006.01); **F24F 7/06** (2006.01); **F24F 11/00** (2006.01)

CPC (source: EP)

**B01L 1/04** (2013.01); **B08B 15/023** (2013.01); **B01L 2200/143** (2013.01); **B01L 2200/147** (2013.01)

Citation (search report)

See references of WO 2016116408A1

Cited by

CN114453375A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ 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)

**DE 102015201026 B3 20160616**; DK 3247496 T3 20191209; EP 3247496 A1 20171129; EP 3247496 B1 20191002; WO 2016116408 A1 20160728

DOCDB simple family (application)

**DE 102015201026 A 20150122**; DK 16700890 T 20160118; EP 16700890 A 20160118; EP 2016050911 W 20160118