

Title (en)
LABORATORY FUME HOOD HAVING WALL JETS

Title (de)
LABORABZUG MIT WANDSTRAHLEN

Title (fr)
SORBONNE DE LABORATOIRE À JETS DE PAROI

Publication
EP 3562600 A1 20191106 (DE)

Application
EP 17823174 A 20171228

Priority
• DE 102016125890 A 20161229
• EP 2017084704 W 20171228

Abstract (en)
[origin: WO2018122302A1] The invention relates to a fume hood (1) for a laboratory space, comprising a first hollow profiled element (10, 10'), which is arranged on a front-side end face of each side wall (36) and which has a first pressure chamber (10b, 10b') having a plurality of first openings (10d, 10d'), from which air jets in the form of wall jets (100) consisting of compressed air can be output along the associated side wall (36) into the working space. The size of the first openings (10d, 10d') and the air pressure present in the first pressure chamber (10b, 10b') are selected in such a way that the first pressure chamber (10b, 10b') can be fluidically connected to a building-installed compressed-air system (74) without the occurrence of flow separation of the wall jets (100) from the side wall (36) in a region from a front side of the working space to at least 25% of the depth of the working space. The invention further relates to a fume hood, wherein such a hollow profiled element (20, 20') is arranged on a front-side end face of the bottom plate (34).

IPC 8 full level
B08B 15/02 (2006.01); **B01L 1/04** (2006.01); **F24F 3/16** (2006.01)

CPC (source: EP KR US)
B08B 15/023 (2013.01 - EP KR US); **F24F 3/163** (2021.01 - EP KR US); **B08B 2215/003** (2013.01 - US)

Citation (search report)
See references of WO 2018122302A1

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 2018122302 A1 20180705; AU 2017387829 A1 20190725; CA 3048534 A1 20180705; CN 110114153 A 20190809; CN 110114153 B 20220610; DE 102016125890 A1 20180705; EP 3562600 A1 20191106; EP 3562600 B1 20220810; EP 3562600 B8 20221228; JP 2018108568 A 20180712; JP 6669684 B2 20200318; KR 20190103169 A 20190904; TW 201829084 A 20180816; TW I678239 B 20191201; US 2019351465 A1 20191121

DOCDB simple family (application)
EP 2017084704 W 20171228; AU 2017387829 A 20171228; CA 3048534 A 20171228; CN 201780081119 A 20171228; DE 102016125890 A 20161229; EP 17823174 A 20171228; JP 2017032223 A 20170223; KR 20197018942 A 20171228; TW 106145974 A 20171227; US 201716474156 A 20171228