

Title (en)  
FUME CUPBOARD

Title (de)  
ABZUG

Title (fr)  
HOTTE FERMEE

Publication  
**EP 1444057 A1 20040811 (DE)**

Application  
**EP 02754996 A 20020814**

Priority  
• DE 10146000 A 20010918  
• EP 0209141 W 20020814

Abstract (en)  
[origin: US2004242143A1] A cabinet with a housing, in which a working chamber (3) is located which is open on one side. In order to reduce the risk of a blow-out of harmful substances and in particular to avoid dead-space areas at the internal surfaces of the side walls and the bottom of the working chamber (3), devices are provided which blow in supply-air jets (21, 22) at an acute angle to the internal surfaces of working chamber (3) in such a way that these supply-air jets (21, 22) lie next to the internal surfaces. Furthermore, an upper free jet (18) ensures that light gases, which form in working chamber (3) above this supporting jet (18), are reliably contained in the upper area of the cabinet and cannot contaminate the lower working area.

IPC 1-7  
**B08B 15/02**; **B08B 5/02**; **B08B 17/02**; **F24F 9/00**

IPC 8 full level  
**F24F 7/08** (2006.01); **B08B 15/02** (2006.01)

CPC (source: EP US)  
**B08B 15/023** (2013.01 - EP US); **B08B 2215/003** (2013.01 - EP US)

Citation (search report)  
See references of WO 03024631A1

Citation (third parties)  
Third party :  
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• US 3496857 A 19700224 - ELLIS DAVID JOHN, et al  
• US 2649727 A 19530825 - SNOW DONALD L, et al  
• US 5924920 A 19990720 - DELUCA ROBERT A [US], et al  
• GB 2336667 A 19991027 - PSE ENGINEERING LIMITED [GB]  
• ASECOS: "Sicherheit und Umweltschutz", KATALOG, 2000, pages 58 - 59 +COVER PG-S, XP003004384

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DE102016125891A1; WO2018122304A1

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**US 2004242143 A1 20041202**; **US 9266154 B2 20160223**; AT E515333 T1 20110715; AU 2002321305 B2 20071004; CA 2454280 A1 20030327; CA 2454280 C 20101019; CN 1287914 C 20061206; CN 1555296 A 20041215; DE 10146000 A1 20030116; DK 1444057 T3 20111024; EP 1444057 A1 20040811; EP 1444057 B1 20110706; EP 1444057 B8 20111123; ES 2364748 T3 20110913; HK 1072394 A1 20050826; JP 2005502856 A 20050127; JP 2007212132 A 20070823; JP 4189318 B2 20081203; MX PA04002463 A 20050408; PT 1444057 E 20110913; WO 03024631 A1 20030327

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