

Title (en)
GAS PURIFIER DEVICE WITH FOAM ABSORBENT

Title (de)
VORRICHTUNG ZUR GASREINIGUNG MIT ABSORBIERENDEM SCHAUM

Title (fr)
PURIFICATEUR DE GAZ A MOUSSE ABSORBANTE

Publication
EP 1257345 A2 20021120 (EN)

Application
EP 01906118 A 20010212

Priority
• IT 0100059 W 20010212
• IT FI20000026 A 20000215

Abstract (en)
[origin: WO0160498A2] A container (1) is divided into a lower chamber (1A) for the entry of the gas and an upper chamber (1B) for the outlet of the purified gas, by means of a separating diaphragm (3) which forms a collector for the absorbent foam and liquid; a tubular wall (5) passes through the diaphragm and delimits the operating area (5A) through which passes the gas to be purified, which enters a static bladed centrifugal separator (7); at least one duct (13) for supplying foam opens into the lower part of said operating area (5A); the purified gas is separated by a centrifugal effect from the foam, which is collected by gravity in the partition (3) so that it can be recycled.

IPC 1-7
B01D 47/04; **B01D 53/14**; **B01D 53/18**; **B01D 50/00**

IPC 8 full level
B01D 45/16 (2006.01); **B01D 47/04** (2006.01); **B01D 50/00** (2006.01); **B01D 53/14** (2006.01); **B01D 53/18** (2006.01)

CPC (source: EP)
B01D 45/16 (2013.01); **B01D 47/04** (2013.01); **B01D 50/40** (2022.01); **B01D 53/14** (2013.01); **B01D 53/18** (2013.01)

Citation (search report)
See references of WO 0160498A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0160498 A2 20010823; **WO 0160498 A3 20020207**; AU 3408101 A 20010827; EP 1257345 A2 20021120; IT 1314480 B1 20021218; IT FI20000026 A0 20000215; IT FI20000026 A1 20010815

DOCDB simple family (application)
IT 0100059 W 20010212; AU 3408101 A 20010212; EP 01906118 A 20010212; IT FI20000026 A 20000215