

Title (en)
GAS FILTERING DEVICE

Title (de)
GASFILTER

Title (fr)
DISPOSITIF POUR LA FILTRATION DE GAZ

Publication
EP 1124621 A1 20010822 (FR)

Application
EP 99947593 A 19991015

Priority
• FR 9902523 W 19991015
• FR 9813099 A 19981016

Abstract (en)
[origin: FR2784607A1] The unit (1) includes a liquid atomizer (18) followed by the centrifugation section and then the outlet (3). Preferred features: Electrical polarization is applied upstream of the inlet opening (2), level with atomization and the centrifuge. The centrifuge includes a cylindrical microporous or microfibrinous filter (6). A peripheral interceptor collects liquid from the centrifuge. A frontal extractor removes gas vaporized by the front, upstream face (4) of the filter. Extraction removes vapors atomized by the radial face of the filter. A central extractor removes vapors atomized by an axial surface of the filter. The atomizer produces droplets 0.5 - 6 μm in diameter. Atomized liquid is recycled; it contains a fixation reagent. An additional peripheral filter is included.

IPC 1-7
B01D 45/14; **B01D 50/00**

IPC 8 full level
B01D 45/14 (2006.01); **B01D 50/00** (2006.01)

CPC (source: EP US)
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