

Title (en)
SELEKTIVER GASFILTER

Title (de)
FILTRE A GAZ SELECTIF

Title (fr)
FILTRE SELECTIF DE GAZ

Publication
EP 2547425 A1 20130123 (FR)

Application
EP 11709119 A 20110317

Priority
• FR 1052004 A 20100319
• EP 2011054064 W 20110317

Abstract (en)
[origin: WO2011113901A1] This filter comprises a plurality of reservoirs (1, 2 and 3) connected in series by connecting ducts (4, 5). The flow of gaseous streams therein is subject to multiple obstacles which have the effect of effectively trapping the constituents with the highest molecular weight without substantially impeding the diffusion of the light constituents. This can be achieved through the use of internal baffles (9) or an array (6) of thinner ducts (7), for example at the entry to the filter. Possible application to the separation of hydrogen and radon produced by nuclear waste.

IPC 8 full level
B01D 53/24 (2006.01); **C01B 23/00** (2006.01); **G21F 9/02** (2006.01)

CPC (source: EP US)
B01D 53/24 (2013.01 - EP US); **C01B 23/0036** (2013.01 - EP US); **G21F 9/02** (2013.01 - EP US); **B01D 2256/16** (2013.01 - EP US); **B01D 2257/11** (2013.01 - EP US); **C01B 2210/0039** (2013.01 - EP US); **C01B 2210/0053** (2013.01 - EP US)

Citation (search report)
See references of WO 2011113901A1

Citation (examination)
WO 9308145 A1 19930429 - MOBIL OIL CORP [US]

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

DOCDB simple family (publication)
WO 2011113901 A1 20110922; CN 102821832 A 20121212; CN 102821832 B 20151209; EP 2547425 A1 20130123; FR 2957527 A1 20110923; FR 2957527 B1 20141010; JP 2013525086 A 20130620; US 2013025244 A1 20130131; US 8663353 B2 20140304

DOCDB simple family (application)
EP 2011054064 W 20110317; CN 201180014844 A 20110317; EP 11709119 A 20110317; FR 1052004 A 20100319; JP 2012557557 A 20110317; US 201113635705 A 20110317