

Title (en)
GAS FILTER DEVICE

Title (de)
GASFILTERVORRICHTUNG

Title (fr)
INSTALLATION DE FILTRATION DE GAZ

Publication
EP 2877265 A1 20150603 (DE)

Application
EP 13759428 A 20130726

Priority

- DE 102012106799 A 20120726
- DE 102012111862 A 20121206
- DE 102013107907 A 20130724
- DE 2013100276 W 20130726

Abstract (en)
[origin: WO2014015862A1] The invention relates to an exhaust gas filter device for filtering out contaminating substances from exhaust gases, comprising: a filter device for filtering the exhaust gases, wherein the exhaust gases enter the filter device at a filter inlet surface, flow through the filter device and exit the filter device at a filter outlet surface; and a distribution duct for distributing the exhaust gases to be filtered along the filter inlet surface and a collecting duct for collecting the filtered exhaust gases exiting at the filter outlet surface; wherein the cross-section of the collecting duct increases in the flow direction of the exhaust gases and/or the cross-section of the distribution duct decreases in the flow direction of the exhaust gases.

IPC 8 full level
B01D 46/00 (2006.01); **B01D 46/42** (2006.01)

CPC (source: EP US)
A61L 9/16 (2013.01 - US); **B01D 46/0002** (2013.01 - EP US); **B01D 46/0036** (2013.01 - EP US); **B01D 46/0038** (2013.01 - EP US); **B01D 46/0041** (2013.01 - EP US); **B01D 46/0047** (2013.01 - EP US); **B01D 46/4263** (2013.01 - EP US); **B01D 53/04** (2013.01 - US); **B01D 53/26** (2013.01 - US); **B01D 2253/102** (2013.01 - US); **B01D 2253/116** (2013.01 - US); **B01D 2257/90** (2013.01 - US); **B01D 2259/40001** (2013.01 - US); **B01D 2259/45** (2013.01 - US)

Citation (search report)
See references of WO 2014015862A1

Citation (examination)

- DE 19849998 A1 20000504 - MANN & HUMMEL FILTER [DE]
- US 4707167 A 19871117 - SAITO KENICHIRO [JP], et al
- DE 1949081 A1 19710401 - HARTMANN & BRAUN AG

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 2014015862 A1 20140130; WO 2014015862 A4 20140313; AU 2013295456 A1 20150312; AU 2013295456 B2 20170518; CA 2881071 A1 20140130; CN 104661724 A 20150527; DE 202013012679 U1 20180810; DE 202013012690 U1 20180810; EP 2877265 A1 20150603; US 2015165083 A1 20150618; US 9629938 B2 20170425

DOCDB simple family (application)
DE 2013100276 W 20130726; AU 2013295456 A 20130726; CA 2881071 A 20130726; CN 201380049341 A 20130726; DE 202013012679 U 20130726; DE 202013012690 U 20130726; EP 13759428 A 20130726; US 201314417177 A 20130726