

Title (en)

Check valve for an exhaust gas line

Title (de)

Rückströmsperre für eine Abgasleitung

Title (fr)

Clapet anti-retour pour une conduite de gaz

Publication

EP 2461099 B1 20150506 (DE)

Application

EP 10193660 A 20101203

Priority

EP 10193660 A 20101203

Abstract (en)

[origin: EP2461099A1] The non-return valve (1) has valve seat (3) for floating structure (4), which is provided inside exhaust pipe mountable tubular structure (2). A circumferential groove (5) is formed at downstream of tube structure in a state bounding inner peripheral wall section (6) and outer peripheral wall section (7) in tube structure. The peripheral edge of floating structure is protruded over the radially inner peripheral wall portion, while upstream facing axial extension is extended to arrange the floating structure on valve seat in the axial direction into the circumferential groove.

IPC 8 full level

F23L 11/00 (2006.01)

CPC (source: EP US)

F23L 11/005 (2013.01 - EP US); **Y10T 137/4621** (2015.04 - EP US); **Y10T 137/4643** (2015.04 - EP US); **Y10T 137/7358** (2015.04 - EP US); **Y10T 137/7841** (2015.04 - EP US)

Cited by

EP3657073A1; DE102011054026A1; EP2574842A2

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)

EP 2461099 A1 20120606; EP 2461099 B1 20150506; CA 2759709 A1 20120603; CA 2759709 C 20180116; US 2012138168 A1 20120607; US 8578963 B2 20131112

DOCDB simple family (application)

EP 10193660 A 20101203; CA 2759709 A 20111130; US 201113307977 A 20111130