

Title (en)
VALVE DEVICE FOR A MOTOR VEHICLE

Title (de)
VENTILVORRICHTUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)
DISPOSITIF FORMANT SOUPAPE POUR VÉHICULE AUTOMOBILE

Publication
EP 2935850 A1 20151028 (DE)

Application
EP 13799331 A 20131205

Priority
• DE 102012224093 A 20121220
• EP 2013075708 W 20131205

Abstract (en)
[origin: WO2014095404A1] The invention relates to a valve device for a motor vehicle with: a housing 1; a flow duct 2 situated in the housing 1; a flap 3 arranged in the flow duct 2 in order to close off the flow duct 2, wherein the flap 3 has regions in which a shaft 4 penetrating the flap 3 is fastened and the shaft 4 is rotatably mounted in the housing 1; and a valve seat 8 arranged in the flow duct 2, said valve seat 8 being in contact with the flap 3 in the closed position thereof. At least one portion of the flow duct 2 adjacent to the valve seat 8 has a cross-section smaller than the inside diameter of the valve seat 8.

IPC 8 full level
F02M 25/07 (2006.01); **F16K 1/226** (2006.01); **F16K 47/08** (2006.01)

CPC (source: EP US)
F02M 26/68 (2016.02 - EP US); **F02M 26/70** (2016.02 - EP US); **F02M 26/72** (2016.02 - EP US); **F16K 1/2261** (2013.01 - EP US); **F16K 27/0218** (2013.01 - EP US); **F16K 47/08** (2013.01 - EP US)

Citation (search report)
See references of WO 2014095404A1

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)
DE 102012224093 A1 20140626; CN 104870796 A 20150826; EP 2935850 A1 20151028; US 10221814 B2 20190305; US 2016195044 A1 20160707; WO 2014095404 A1 20140626

DOCDB simple family (application)
DE 102012224093 A 20121220; CN 201380066855 A 20131205; EP 13799331 A 20131205; EP 2013075708 W 20131205; US 201314654322 A 20131205